Cette section présente les différents flacons présents dans le kit. Les fiches de sécurité de tous ces composants sont disponibles dans la langue choisie à la suite du document.

This section shows all the vials in the kit. The Safety Datasheets are available in the selected language in the next part of the document.

### Nomenclature of the product

<table>
<thead>
<tr>
<th>Description</th>
<th>Component</th>
<th>Nb of vials</th>
<th>pH</th>
<th>Color</th>
<th>Physical state</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWEEN-1-3-EL-1FLA</td>
<td>TWEEN-1-3</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>Liquid</td>
</tr>
<tr>
<td>STOP-SOL</td>
<td>STOP SOL</td>
<td>1</td>
<td>-</td>
<td>Colorless</td>
<td>Liquid</td>
</tr>
<tr>
<td>SUBS-TMB</td>
<td>SUBS TMB</td>
<td>1</td>
<td>-</td>
<td>Colorless</td>
<td>Liquid</td>
</tr>
<tr>
<td>CONJ-CGA-ELISA</td>
<td>CONJ CGA</td>
<td>2</td>
<td>-</td>
<td>Colorless</td>
<td>Liquid</td>
</tr>
<tr>
<td>MICROPLATE-CGA-ELISA</td>
<td>DIL/CAL0 CGA</td>
<td>1</td>
<td>-</td>
<td>Colorless</td>
<td>Solid</td>
</tr>
<tr>
<td>CALC-DL-CGA-ELISA</td>
<td>BUF CONJ</td>
<td>1</td>
<td>6</td>
<td>Colorless</td>
<td>Liquid</td>
</tr>
<tr>
<td>BUF-CONJ-CGA-ELISA</td>
<td>CGA</td>
<td>1</td>
<td>-</td>
<td>Colorless</td>
<td>Liquid</td>
</tr>
<tr>
<td>CAL1-CGA-ELISA</td>
<td>CGA CAL1</td>
<td>1</td>
<td>-</td>
<td>White</td>
<td>Solid</td>
</tr>
<tr>
<td>CAL2-CGA-ELISA</td>
<td>CGA CAL2</td>
<td>1</td>
<td>-</td>
<td>White</td>
<td>Solid</td>
</tr>
<tr>
<td>CAL3-CGA-ELISA</td>
<td>CGA CAL3</td>
<td>1</td>
<td>-</td>
<td>White</td>
<td>Solid</td>
</tr>
<tr>
<td>CAL4-CGA-ELISA</td>
<td>CGA CAL4</td>
<td>1</td>
<td>-</td>
<td>White</td>
<td>Solid</td>
</tr>
<tr>
<td>CAL5-CGA-ELISA</td>
<td>CGA CAL5</td>
<td>1</td>
<td>-</td>
<td>White</td>
<td>Solid</td>
</tr>
<tr>
<td>CONT-CGA-ELISA</td>
<td>CGAELISATEST</td>
<td>1</td>
<td>-</td>
<td>White</td>
<td>Solid</td>
</tr>
<tr>
<td>CONT2-CGA-ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: BUF-CONJ-CGA-ELISA  BUF CONJ CGA
CAS No.: Index No: EC No: REACH No:

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59
Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory/skin sensitization - Skin Sens. 1 - H317</td>
<td>Skin Sens. 1</td>
<td>H317</td>
<td>P261</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P272</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P280</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P302 + P352</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P321</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P333 + P313</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P362 + P364</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P501</td>
</tr>
</tbody>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
</tbody>
</table>

Hazard pictograms
GHS07-exclam

Signal word: Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P311</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as ‘Substances of Very High Concern’ (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006. 

Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral Acute toxicity - Acute Tox. 3 - H311 - Dermal Acute toxicity - Acute Tox. 3 - H331 - Inhalation Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1 - H317 Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended. ; Following inhalation: In case of respiratory tract irritation, consult a physician. ; Following skin contact: After contact with skin, wash immediately with plenty of water and soap. ; Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ; Following ingestion: Do NOT induce vomiting. ; Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date. ; Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:

Section 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire ;

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:
5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic
Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes.
Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled.
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed.
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:

Section 8: Exposure controls/personal protection

8.1 Control parameters
Preliminary remark:
8.1.1 Occupational exposure limits:

- France
- Spain
- Germany
- Italia
- Greece
- UK
- OSHA (USA)

8.1.2 Biological limit values (Germany):

8.1.3 Exposure limits at intended use (Germany):

8.1.4 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer

DNEL remark:
- PNEC

PNEC remark:
Control parameters remark:
8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:

Eye / Face protection: Safety glasses with side-shields;

Skin protection: Gloves;

Respiratory protection: Ensure adequate ventilation;

Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>Colorless ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour threshold (ppm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| | Melting point (°C) | | | | | |
| | Freezing point (°C) | | | | | |
| | Initial boiling point/boiling range (°C) | | | | | |
| | Flash point (°C) | | | | | |
| | Evaporation rate (kg/m²/h) | | | | | |
| | Flammability (type : ) (%) | | | | | |
| | Upper/lower Flammability or explosive limits | Upper explosive limit (%) | | | | |
| | | Lower explosive limit (%) | | | | |
| | Vapour pressure (kPa) | | | | | |
| | Vapour density (g/cm³) | | | | | |
| | Densities | Density (g/cm³) | | | | |
| | | Relative density (g/cm³) | | | | |
| | | Bulk density (g/cm³) | | | | |
| | | Critical density (g/cm³) | | | | |
| | Solubility (Type : ) (g/L) | | | | | |
| | Partition coefficient (log Pow) | | | | | |
| | n-octanol/water at pH : | | | | | |
| | Auto-ignition temperature (°C) | | | | | |
| | Decomposition temperature (°C) | | | | | |
| | Decomposition energy : kJ | | | | | |
| | Viscosity | Viscosity, dynamic (poiseuille) | | | | |
| | | Viscosity, cinematic (cm²/s) | | | | |
| | Oxidising properties | | | | | |
| | Explosive properties | | | | | |

No other relevant data available
Section 10: Stability and reactivity

10.1 Reactivity  This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

Section 11: Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)L50 (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:
In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- **Eye damage/irritation**

Animal data:

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  
  - Germ cell mutagenicity:

Animal data:

Assessment / Classification:

- Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- **Specific target organ toxicity (single exposure)**
  
  - STOT SE 1 and 2

Animal data:

Other information:

- STOT SE 3

Practical experience / human evidence:
Other information:
Assessment / Classification:

- **Specific target organ toxicity (repeated exposure)**

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- **Aspiration hazard**

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself

**Section 12 : Ecological information**

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

**12.1 Aquatic toxicity:**

**Acute (short-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>LC50 (mg/L)</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chronic (long-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Acute (short-term) toxicity to crustacea**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Chronic (long-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Acute (short-term) toxicity to algae and cyanobacteria

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Toxicity to microorganisms and other aquatic plants / organisms

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Assessment / Classification:

#### 12.2 Persistence and degradability

**Biodegradation:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Abiotic Degradation:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life time (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Assessment / Classification:

#### 12.3 Bioaccumulative potential

**Bioconcentration factor (BCF):**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
12.4 Mobility in soil

| Source: |  
|---|---|
| 55965-84-9 / 247-500-7 | 247-500-7 | 55965-84-9 | | | | | | | | | |

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14: Transport information

<table>
<thead>
<tr>
<th>UN No.</th>
<th>UN Proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Hazard label(s)</th>
<th>Packing group</th>
</tr>
</thead>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID):

Classification code ADR: Special Provisions for ADR/RID:

Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:

Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:

Mixed packing provisions:

Portable tanks and bulk containers Instructions:

Portable tanks and bulk containers Special Provisions:

ADR Tank Code: ADR Tank special provisions:

Vehicle for tank carriage:

Special provisions for carriage Packages:

Special provisions for carriage Bulk:

Special provisions for carriage for loading, unloading and handling:

Special Provisions for carriage Operation:

Hazard identification No: Transport category (Tunnel restriction code):
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use: 55965-84-9 / 247-500-7
SVHC :

- Other EU regulations:

- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out
Section 16 : Other information

16.1 Indication of changes
Date of the previous version: 11/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: CAL1-CGA-ELISA CGA CAL1

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0) 1 45 42 59 59
USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td></td>
<td>233-826-7</td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hazard pictograms
GH07-exclam

Signal word:
Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P311</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHEmicals Agency (ECHA) under article S7 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>Acute toxicity - Acute Tox. 4 - H332 - Inhalation Specific target organ toxicity - repeated exposure - STOT RE 2 - H373</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
<td>Oxidising solid - Ox. Sol. 3 - H272 Serious eye damage/eye irritation - Eye Irrit. 2 - H319 Skin corrosion/irritation - Skin Irrit. 2 - H315 Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral Acute toxicity - Acute Tox. 3 - H311 - Dermal Acute toxicity - Acute Tox. 3 - H331 - Inhalation Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1 - H317 Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH- phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended. ; Following inhalation: In case of respiratory tract irritation, consult a physician. ; Following skin contact: After contact with skin, wash immediately with plenty of water and soap. ; Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ; Following ingestion: Do NOT induce vomiting. ; Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date. ; Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:
Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic.
Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes.
Fire precautions:

Do not eat, drink or smoke in areas where reagents are handled.
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed.
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8: Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m³)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m³)</th>
<th>VME (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Spain

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLA-EC (mg/m³)</th>
<th>VLA-EC (ppm)</th>
<th>VLA-ED (mg/m³)</th>
<th>VLA-ED (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Germany

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m³)</th>
<th>AGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
### Biological limit values (Germany):

<table>
<thead>
<tr>
<th>Substance EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m³)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Exposure limits at intended use (Germany):

<table>
<thead>
<tr>
<th>Substance EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m³)</th>
<th>BGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DNEL/PNEC-values:
- **DNEL worker**
  
<table>
<thead>
<tr>
<th>Substance EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>1.5</td>
<td>147</td>
<td>1.5</td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **DNEL consumer**

<table>
<thead>
<tr>
<th>Substance EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DNEL remark:**
- **PNEC**
Source : INERIS

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>PNEC AQUATIC</th>
<th>PNEC Sediment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>freshwater</td>
<td>marine water</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(mg/L)</td>
<td>(mg/kg)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>intermittent release</td>
<td></td>
</tr>
<tr>
<td>10377-60-3</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td>10377-60-3</td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
</tr>
</tbody>
</table>

PNEC remark:
Control parameters remark:

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical state</th>
<th>Colour</th>
<th>Odour</th>
<th>Odour threshold (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>Concentration (mol/L)</td>
<td>Method</td>
<td>Temperature (°C)</td>
<td>Pressure (kPa)</td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL1-CGA-ELISA  CGA CAL1

Version: UK, Page 8 of 15, Revision date: 20/10/2020

### Section 10: Stability and reactivity

**10.1 Reactivity**

This material is considered to be non-reactive under normal use conditions.

**10.2 Chemical stability**

**10.3 Possibility of hazardous reactions**

**10.4 Conditions to avoid:**

**10.5 Incompatible materials:**

**10.6 Hazardous decomposition products:**

Does not decompose when used for intended uses.

### Section 11: Toxicological information

Toxicokinetics, metabolism and distribution

**11.1 Information on toxicological effects**

#### Substances

- Acute toxicity

#### Animal data:

Acute oral toxicity:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL1-CGA-ELISA_CGA CAL1
Version: UK, Page 9 of 15, Revision date: 20/10/2020

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD₅₀ (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
</table>

Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD₅₀ (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
</table>

Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(EL)₅₀ (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
</table>

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
</table>

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
</table>

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity:

Animal data:

Assessment / Classification:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL1-CGA-ELISA  CGA CAL1
Version: UK, Page 10 of 15, Revision date: 20/10/2020

- Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:
  - Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
  - STOT SE 1 and 2

Animal data:

Other information:
Assessment / Classification:

- Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself
Section 12 : Ecological information

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

12.1 Aquatic toxicity:
Acute (short-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>LC50 (mg/L)</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic (long-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute (short-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic (long-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute (short-term) toxicity to algae and cyanobacteria

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to microorganisms and other aquatic plants / organisms

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
12.2 Persistence and degradability

Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life time (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC n°</th>
<th>CAS n°</th>
<th>Distribution</th>
<th>Transport type</th>
<th>Henry’s law constant (Pa.m3/mol)</th>
<th>Log KOC</th>
<th>Half-life time in soil (j)</th>
<th>Half-life time in fresh water (j)</th>
<th>Half-life time in sea water (j)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL1-CGA-ELISA CGA CAL1
Version: UK, Page 13 of 15, Revision date: 20/10/2020

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
Classification code ADR: Special Provisions for ADR/RID:
Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:
Mixed packing provisions:
Portable tanks and bulk containers Instructions:
Portable tanks and bulk containers Special Provisions:
ADR Tank Code: ADR Tank special provisions:
Vehicle for tank carriage:
Special provisions for carriage Packages:
Special provisions for carriage Bulk:
Special provisions for carriage for loading, unloading and handling:
Special Provisions for carriage Operation:
Hazard identification No: Transport category (Tunnel restriction code):

Sea transport (IMDG)
Marine Pollutant: Subsidiary risk(s) for IMDG:
Packing provisions for IMDG: Limited quantities for IMDG:
Packing instructions for IMDG: IBC Instructions:
IBC Provisions: IMO tank instructions:
UN tank instructions: Tanks and bulk Provisions:
EMS: Stowage and segregation for IMDG:
Properties and observations:

Inland waterway transport (ADN)
Classification Code ADN: Special Provisions ADN:
Limited quantities ADN: Excepted quantities ADN:
Carriage permitted: Equipment required:
Provisions concerning loading and unloading: Provisions concerning carriage:
Number of blue cones/lights: Remark:

Air transport (ICAO-TI / IATA-DGR)
Subsidiary risk for IATA: Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulations

- Authorisations and/or restrictions on use:

  Authorisations:
  Restrictions on use: 55965-84-9 / 247-500-7
  SVHC:
    - Other EU regulations:
    - Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes
Date of the previous version: 30/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statments</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire</td>
</tr>
<tr>
<td>H301</td>
<td>oxidizer</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H317</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Hazard</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: CAL2-CGA-ELISA  CGA CAL2
CAS No.: Index No: EC No: REACH No:

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59
USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL2-CGA-ELISA  CGA CAL2
Version: UK, Page 2 of 15, Revision date: 20/10/2020

Product identifier:
Designation / Commercial name: CAL2-CGA-ELISA  CGA CAL2

Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td></td>
<td>233-826-7</td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hazard pictograms
GH507-exclam

Signal word:
Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P321</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

### 3.2 Mixtures

**Hazardous ingredients:**

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>Acute toxicity - Acute Tox. 4 - H332 - Inhalation. Specific target organ toxicity - repeated exposure - STOT RE 2 - H373</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
<td>Oxidising solid - Ox. Sol. 3 - H272. Serious eye damage/eye irritation - Eye Irrit. 2 - H319. Skin corrosion/irritation - Skin Irrit. 2 - H315. Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral. Acute toxicity - Acute Tox. 3 - H311 - Dermal. Acute toxicity - Acute Tox. 3 - H331 - Inhalation. Hazardous to the aquatic environment - Aquatic Acute 1 - H400. Hazardous to the aquatic environment - Aquatic Chronic 1 - H410. Respiratory/skin sensitization - Skin Sens. 1 - H317. Skin corrosion/irritation - Skin Corr. 1B - H314.</td>
<td>&lt; 0.06%</td>
<td>Skin Corr. 1B H314: C ≥ 0.6 %. Skin Irrit. 2 H315: 0.06 % ≤ C &lt; 0.6 %. Eye Irrit. 2 H319: 0.06 % ≤ C &lt; 0.6 %. Skin Sens. 1 H317: C ≥ 0.0015 %</td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

#### 4.1 Description of first aid measures

**General information:** Do not leave affected person unattended. ;

**Following inhalation:** In case of respiratory tract irritation, consult a physician. ;

**Following skin contact:** After contact with skin, wash immediately with plenty of water and soap. ;

**Following eye contact:** After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ;

**Following ingestion:** Do NOT induce vomiting. ;

**Self-protection of the first aider:**

#### 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms:** No known symptoms to date. ;

**Effects:**

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:
Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic. Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes. Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled. Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed. Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m3)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m3)</th>
<th>VME (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>10377-60-3</td>
<td>10377-60-3</td>
<td>10377-60-3</td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Spain

<table>
<thead>
<tr>
<th>Substance EC-No.</th>
<th>CAS-No</th>
<th>VLA-EC (mg/m3)</th>
<th>VLA-EC (ppm)</th>
<th>VLA-ED (mg/m3)</th>
<th>VLA-ED (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>10377-60-3</td>
<td>10377-60-3</td>
<td>10377-60-3</td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Germany

<table>
<thead>
<tr>
<th>Substance EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m3)</th>
<th>AGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>10377-60-3</td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
## Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

**Designation / Commercial name:** CAL2-CGA-ELISA  CGA CAL2  
**Version:** UK, Page 6 of 15, Revision date: 20/10/2020

### 8.1.2 Biological limit values (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m3)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.1.3 Exposure limits at intended use (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m3)</th>
<th>BGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.1.4 DNEL/PNEC-values:
- **DNEL worker**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m3)</th>
<th>Acute – inhalation, systemic effects (mg/m3)</th>
<th>Long-term – inhalation, local effects (mg/m3)</th>
<th>Long-term – inhalation, systemic effects (mg/m3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
</tr>
<tr>
<td></td>
<td>6381-92-6</td>
<td>6381-92-6</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **DNEL consumer**

### DNEL remark:
- PNEC
Source : INERIS

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PNEC AQUATIC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>freshwater</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(mg/L)</td>
</tr>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
</tr>
</tbody>
</table>

Source : INERIS

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PNEC soil</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(mg/L)</td>
</tr>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
</tr>
</tbody>
</table>

PNEC remark:
Control parameters remark:

8.2 Exposure controls
8.2.1 Appropriate engineering controls:
8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:
8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour threshold (ppm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
9.2 Other information:
No other relevant data available

Section 10: Stability and reactivity

10.1 Reactivity This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

Section 11: Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:
**Safety Data Sheet**
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL2-CGA-ELISA CGA CAL2  
Version: UK, Page 9 of 15, Revision date: 20/10/2020

### Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)L50 (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Practical experience / human evidence:

Assessment / Classification:

**General Remark:**
- **Skin corrosion/irritation**

#### Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**In-vitro skin test method:**
**In-vitro skin test result:**
Assessment / Classification:
- **Eye damage/irritation**

#### Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**In vitro eye test method:**
**In vitro eye test result:**
Assessment / Classification:
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity:**

#### Animal data:

Assessment / Classification:
Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

• Specific target organ toxicity (single exposure)
  • STOT SE 1 and 2

Animal data:

Other information:
Assessment / Classification:

• STOT SE 3

Practical experience / human evidence:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>NOEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
</tr>
</tbody>
</table>

Other information:
Assessment / Classification:

• Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

• Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself
Section 12 : Ecological information

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

### 12.1 Aquatic toxicity:

Acute (short-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic (long-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute (short-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic (long-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute (short-term) toxicity to algae and cyanobacteria

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to microorganisms and other aquatic plants / organisms

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:
12.2 Persistence and degradability

Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life time (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC n°</th>
<th>CAS n°</th>
<th>Distribution</th>
<th>Transport type</th>
<th>Henry’s law constant (Pa.m3/mol)</th>
<th>Log KOC</th>
<th>Half-life time in soil (j)</th>
<th>Half-life time in fresh water (j)</th>
<th>Half-life time in sea water (j)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name : CAL2-CGA-ELISA  CGA CAL2
Version: UK, Page 13 of 15, Revision date: 20/10/2020

__Section 13 : Disposal considerations__

13.1  **Waste treatment methods**

Waste treatment options: Dispose of waste according to applicable legislation.

__Section 14 : Transport information__

<table>
<thead>
<tr>
<th>UN No.</th>
<th>UN Proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Hazard label(s)</th>
<th>Packing group</th>
</tr>
</thead>
</table>

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**Land transport (ADR/RID)**
Classification code ADR:  
Limited quantities for ADR/RID:  
Packing Instructions for ADR/RID:  
Mixed packing provisions:  
Portable tanks and bulk containers Instructions:  
Portable tanks and bulk containers Special Provisions:  
ADR Tank Code:  
Vehicle for tank carriage:  
Special provisions for carriage Packages:  
Special provisions for carriage Bulk:  
Special provisions for carriage for loading, unloading and handling:  
Special Provisions for carriage Operation:  
Hazard identification No:  
Transport category (Tunnel restriction code):  

**Sea transport (IMDG)**
Marine Pollutant:  
Packing provisions for IMDG:  
Packing instructions for IMDG:  
IMO tank instructions:  
UN tank instructions:  
Rem:  
Properties and observations:  

**Inland waterway transport (ADN)**
Classification Code ADN:  
Limited quantities ADN:  
Carriage permitted:  
Provisions concerning loading and unloading:  
Number of blue cones/lights:  
Special Provisions ADN:  
Excepted quantities ADN:  
Equipment required:  
Provisions concerning carriage:  
Remark:  

**Air transport (ICAO-TI / IATA-DGR)**
Subsidiary risk for IATA:  
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:  
Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:  
Excepted quantity for IATA:  

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use: 55965-84-9 / 247-500-7
SVHC:

- Other EU regulations:

- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:

For this mixture, no chemical safety assessment has been carried out

Section 16: Other information

16.1 Indication of changes

Date of the previous version: 30/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire oxidizer</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (state all organs affected, if known) through</td>
</tr>
<tr>
<td></td>
<td>prolonged or repeated exposure (state route of exposure if it is</td>
</tr>
<tr>
<td></td>
<td>conclusively proven that no other routes of exposure cause the hazard)</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Designation / Commercial name: CAL3-CGA-ELISA CGA CAL3

CAS No.: Index No.: EC No.: REACH No.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:

Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:

France - Numéro ORFILA (INRS): + 33 (0)1 45 42 59 59

Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com

(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hazard pictograms
GHS07-exclam

Signal word:
Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN:  Wash with plenty of water/...</td>
</tr>
<tr>
<td>P321</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHEmicals Agency (ECHA) under article S7 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine- N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>Acute toxicity - Acute Tox. 4 - H332 - Inhalation, Specific target organ toxicity - repeated exposure - STOT RE 2 - H373</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
<td>Oxidising solid - Ox. Sol. 3 - H272, Serious eye damage/eye irritation - Eye Irrit. 2 - H319, Skin corrosion/irritation - Skin Irrit. 2 - H315, Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral, Acute toxicity - Acute Tox. 3 - H311 - Dermal, Acute toxicity - Acute Tox. 3 - H331 - Inhalation, Hazardous to the aquatic environment - Aquatic Acute 1 - H400, Hazardous to the aquatic environment - Aquatic Chronic 1 - H410, Respiratory/skin sensitzation - Skin Sens. 1 - H317, Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended.

Following inhalation: In case of respiratory tract irritation, consult a physician.

Following skin contact: After contact with skin, wash immediately with plenty of water and soap.

Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion: Do NOT induce vomiting.

Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date.

Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:
Section 5 : Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire;

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic; Other information:

6.4 Reference to other sections
Additional information:

Section 7 : Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes; Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled; Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice;

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed; Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m3)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m3)</th>
<th>VME (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Spain

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLA-EC (mg/m3)</th>
<th>VLA-EC (ppm)</th>
<th>VLA-ED (mg/m3)</th>
<th>VLA-ED (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Germany

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m3)</th>
<th>AGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
8.1.2 Biological limit values (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m³)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.1.3 Exposure limits at intended use (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m³)</th>
<th>BGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.1.4 DNEL/PNEC-values:

- DNEL worker

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/kg/day)</th>
<th>Long-term – inhalation, local effects (mg/kg/day)</th>
<th>Acute – inhalation, systemic effects (mg/m³)</th>
<th>Long-term – inhalation, systemic effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>1.5-1.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- DNEL consumer

DNEL remark:

- PNEC
8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:

Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Section 10: Stability and reactivity

#### 10.1 Reactivity
This material is considered to be non-reactive under normal use conditions.

#### 10.2 Chemical stability

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid:

#### 10.5 Incompatible materials:

#### 10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

### Section 11: Toxicological information

#### Toxicokinetics, metabolism and distribution

#### 11.1 Information on toxicological effects

**Substances**

- **Acute toxicity**

**Animal data:**

**Acute oral toxicity:**
### Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)LD50 (mg/L)</th>
<th>Exposure time</th>
<th>Species Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Practical experience / human evidence:

Assessment / Classification:

General Remark:

- **Skin corrosion/irritation**

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In-vitro skin test method:

In-vitro skin test result:

Assessment / Classification:

- **Eye damage/irritation**

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In vitro eye test method:

In vitro eye test result:

Assessment / Classification:

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - Germ cell mutagenicity:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL3-CGA-ELISA  CGA CAL3
Version: UK, Page 10 of 15, Revision date: 20/10/2020

- Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
  - STOT SE 1 and 2

Animal data:

Other information:
Assessment / Classification:

- Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself
### Section 12: Ecological information

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

#### 12.1 Aquatic toxicity:

**Acute (short-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>LC50 (mg/L)</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chronic (long-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Acute (short-term) toxicity to crustacea**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chronic (long-term) toxicity to crustacea**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Acute (short-term) toxicity to algae and cyanobacteria**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Toxicity to microorganisms and other aquatic plants / organisms**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9/247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Assessment / Classification:**
12.2 Persistence and degradability

Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life time (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC n°</th>
<th>CAS n°</th>
<th>Distribution</th>
<th>Transport type</th>
<th>Henry's law constant (Pa.m³/mol)</th>
<th>Log KOC</th>
<th>Half-life time in soil (j)</th>
<th>Half-life time in fresh water (j)</th>
<th>Half-life time in sea water (j)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14 : Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
- Classification code ADR: Special Provisions for ADR/RID:
- Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:
- Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:
- Mixed packing provisions:
- Portable tanks and bulk containers Instructions:
- Portable tanks and bulk containers Special Provisions:
- ADR Tank Code: ADR Tank special provisions:
- Vehicle for tank carriage:
- Special provisions for carriage Packages:
- Special provisions for carriage Bulk:
- Special provisions for carriage for loading, unloading and handling:
- Special Provisions for carriage Operation:
- Hazard identification No: Transport category (Tunnel restriction code):

Sea transport (IMDG)
- Marine Pollutant: Subsidiary risk(s) for IMDG:
- Packing provisions for IMDG: Limited quantities for IMDG:
- Packing instructions for IMDG: IBC Instructions:
- IBC Provisions: IMO tank instructions:
- UN tank instructions: Tanks and bulk Provisions:
- EmS: Stowage and segregation for IMDG:
- Properties and observations:

Inland waterway transport (ADN)
- Classification Code ADN: Special Provisions ADN:
- Limited quantities ADN: Excepted quantities ADN:
- Carriage permitted: Equipment required:
- Provisions concerning loading and unloading: Provisions concerning carriage:
- Number of blue cones/lights: Remark:

Air transport (ICAO-TI / IATA-DGR)
- Subsidiary risk for IATA: Excepted quantity for IATA:
- Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
- Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use: 55965-84-9 / 247-500-7
SVHC:

- Other EU regulations:

- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:

For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes

Date of the previous version: 30/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statments</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire oxidizer</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name : CAL4-CGA-ELISA  CGA CAL4
CAS No.:  Index No:  EC No:  REACH No:

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic ;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier: Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone : +33 4 66 9 67 05 - Fax : +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59
Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT+5 and Friday: 8:30 am to 3:00pm GMT+5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2 : Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>
| Respiratory/skin sensitization - Skin Sens. 1 - H317         | Skin Sens. 1  | H317             | P261
|                                                                |               |                  | P272
|                                                                |               |                  | P280
|                                                                |               |                  | P302 + P352
|                                                                |               |                  | P321
|                                                                |               |                  | P333 + P313
|                                                                |               |                  | P362 + P364
|                                                                |               |                  | P501 |

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>-</td>
<td>233-826-7</td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Hazard pictograms
GH507-exclam

Signal word:
Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P311</td>
<td>Dispose of contents/container to ...</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article S7 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3 : Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine- N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>Acute toxicity - Acute Tox. 4 - H332 - Inhalation Specific target organ toxicity - repeated exposure - STOT RE 2 - H373</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td></td>
<td>233-826-7</td>
<td>Oxidising solid - Ox. Sol. 3 - H272 Serious eye damage/eye irritation - Eye Irrit. 2 - H319 Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral Acute toxicity - Acute Tox. 3 - H311 - Dermal Acute toxicity - Acute Tox. 3 - H331 - Inhalation Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1 - H317 Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4 : First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended.
Following inhalation: In case of respiratory tract irritation, consult a physician.
Following skin contact: After contact with skin, wash immediately with plenty of water and soap.
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Following ingestion: Do NOT induce vomiting.
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date.
Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:
Section 5 : Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic. Other information:

6.4 Reference to other sections
Additional information:

Section 7 : Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes. Fire preventions:

Do not eat, drink or smoke in areas where reagents are handled.
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed. Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m³)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m³)</th>
<th>VME (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Spain

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLA-EC (mg/m³)</th>
<th>VLA-EC (ppm)</th>
<th>VLA-ED (mg/m³)</th>
<th>VLA-ED (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Germany

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m³)</th>
<th>AGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>6381-92-6</td>
<td></td>
</tr>
</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
### Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL4-CGA-ELISA  CGA CAL4

Version: UK, Page 6 of 15, Revision date: 20/10/2020

---

**8.1.2 Biological limit values (Germany):**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No.</th>
<th>BLV (mg/m³)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**8.1.3 Exposure limits at intended use (Germany):**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No.</th>
<th>BGW (mg/m³)</th>
<th>BGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**8.1.4 DNEL/PNEC-values:**

- **DNEL worker**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No.</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
<th>Acute – dermal, systemic effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, systemic effects (mg/m³)</th>
<th>Long-term – inhalation, systemic effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td>147-147</td>
</tr>
</tbody>
</table>

- **DNEL consumer**

---

**DNEL remark:**

- PNEC
### Safety Data Sheet

**Designation / Commercial name:** CAL4-CGA-ELISA  CGA CAL4  
**Version:** UK, Page 7 of 15, Revision date: 20/10/2020

**Source:** INERIS

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>PNEC AQUATIC</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>freshwater</td>
<td>marine water</td>
<td>intermittent release</td>
<td>freshwater</td>
<td>marine water</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(mg/L)</td>
<td>(mg/kg)</td>
<td>(ppm)</td>
<td>(mg/L)</td>
<td>(mg/kg)</td>
</tr>
<tr>
<td>10377-60-3</td>
<td>/ 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Substance | EC-No.          | CAS-No          | Others |          |          |          |          |          |
|-----------|-----------------|-----------------|--------|----------|----------|----------|----------|
|           |                 |                 | PNEC soil | PNEC sewage treatment plant | PNEC air | PNEC secondary poisoning |
|           |                 |                 | (mg/L) | (mg/kg) | (ppm) | (mg/L) | (mg/kg) | (ppm) | (mg/L) | (mg/kg) | (ppm) | (mg/L) | (mg/kg) | (ppm) |
| 10377-60-3 | / 233-826-7 | 233-826-7 | 10377-60-3 |          |          |          |          |
| 6381-92-6  |                 |                 | 6381-92-6  |          |          |          |          |

**PNEC remark:**

Control parameters remark:

#### 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:

**Eye / Face protection:** Safety glasses with side-shields;  
**Skin protection:** Gloves;  
**Respiratory protection:** Ensure adequate ventilation;  
**Thermal hazards:**

8.2.3 Environmental exposure controls:

### Section 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Value</th>
<th>Concentration</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>Solid</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>White</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odour threshold (ppm)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Concentration</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Section 10: Stability and reactivity

#### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

#### 10.2 Chemical stability

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid:

#### 10.5 Incompatible materials:

#### 10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

### Section 11: Toxicological information

Toxicokinetics, metabolism and distribution

#### 11.1 Information on toxicological effects

**Substances**

- **Acute toxicity**

**Animal data:**

Acute oral toxicity:
### Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)L50 (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Practical experience / human evidence:

**Assessment / Classification:**

**General Remark:**

- **Skin corrosion/irritation**

**Animal data:**

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**In-vitro skin test method:**

**In-vitro skin test result:**

**Assessment / Classification:**

- **Eye damage/irritation**

**Animal data:**

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**In vitro eye test method:**

**In vitro eye test result:**

**Assessment / Classification:**

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity:**

**Animal data:**

**Assessment / Classification:**
Carcinogenicity
Practical experience / human evidence:
Animal data:
Other information:
Assessment / Classification:
  - Reproductive toxicity
Practical experience / human evidence:
Animal data:
Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- **Specific target organ toxicity (single exposure)**
  - STOT SE 1 and 2

Animal data:
Other information:

  - STOT SE 3

Practical experience / human evidence:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>NOEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
</tr>
</tbody>
</table>

Other information:
Assessment / Classification:

- **Specific target organ toxicity (repeated exposure)**

Practical experience / human evidence:
Animal data:
Assessment / Classification:
Other information

- **Aspiration hazard**

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself
Section 12: Ecological information

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

### 12.1 Aquatic toxicity:

#### Acute (short-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>LC50 (mg/L)</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/ Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Chronic (long-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Acute (short-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/ Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Chronic (long-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Acute (short-term) toxicity to algae and cyanobacteria

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/ Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to microorganisms and other aquatic plants / organisms

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:
12.2 Persistence and degradability

Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
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</tr>
</tbody>
</table>

12.4 Mobility in soil

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
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</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
- Classification code ADR: Special Provisions for ADR/RID:
- Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:
- Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:
- Mixed packing provisions:
- Portable tanks and bulk containers Instructions:
- Portable tanks and bulk containers Special Provisions:
- ADR Tank Code: ADR Tank special provisions:
  - Vehicle for tank carriage:
  - Special provisions for carriage Packages:
  - Special provisions for carriage Bulk:
  - Special provisions for carriage for loading, unloading and handling:
  - Special Provisions for carriage Operation:
  - Hazard identification No:
    - Transport category (Tunnel restriction code):

Sea transport (IMDG)
- Marine Pollutant: Subsidiary risk(s) for IMDG:
- Packing provisions for IMDG: Limited quantities for IMDG:
- Packing instructions for IMDG: IBC Instructions:
- IBC Provisions: IMO tank instructions:
- UN tank instructions: Tanks and bulk Provisions:
- EmS : Stowage and segregation for IMDG:

Properties and observations:

Inland waterway transport (ADN)
- Classification Code ADN: Special Provisions ADN:
- Limited quantities ADN: Excepted quantities ADN:
- Carriage permitted: Equipment required:
- Provisions concerning loading and unloading: Provisions concerning carriage:
- Number of blue cones/lights: Remark:

Air transport (ICAO-TI / IATA-DGR)
- Subsidiary risk for IATA: Excepted quantity for IATA:
- Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
- Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name : CAL4-CGA-ELISA  CGA CAL4
Version: UK, Page 14 of 15, Revision date: 20/10/2020

Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use: 55965-84-9 / 247-500-7
SVHC :
- Other EU regulations:

- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes
Date of the previous version: 30/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: CAL5-CGA-ELISA CGA CAL5
CAS No.: Index No.: EC No.: REACH No.: 

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic; Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS): +33 (0)1 45 42 59 59

Ce numéro permet d’obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name : CAL5-CGA-ELISA  CGA CAL5
Version: UK, Page 2 of 15, Revision date: 20/10/2020

Product identifier:
Designation / Commercial name : CAL5-CGA-ELISA  CGA CAL5

Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
</tr>
<tr>
<td>5-chloro-2- méthyl-4-isothiazolin-3-one and 2- méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>247-500-7</td>
<td></td>
</tr>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hazard pictograms
GH507-exclam

Signal word:
Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P321</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article S7 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3 : Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine- N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>Acute toxicity - Acute Tox. 4 - H332 - Inhalation Specific target organ toxicity - repeated exposure - STOT RE 2 - H373</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
<td>Oxidising solid - Ox. Sol. 3 - H272 Serious eye damage/eye irritation - Eye Irrit. 2 - H319 Skin corrosion/irritation - Skin Irrit. 2 - H315 Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral Acute toxicity - Acute Tox. 3 - H311 - Dermal Acute toxicity - Acute Tox. 3 - H331 - Inhalation Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1 - H317 Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06 %</td>
<td>Skin Corr. 1B</td>
<td>H314: C ≥ 0.6 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2</td>
<td>H315: 0.06 % ≤ C &lt; 0.6 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2</td>
<td>H319: 0.06 % ≤ C &lt; 0.6 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1</td>
<td>H317: C ≥ 0.0015 %</td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4 : First aid measures

4.1 Description of first aid measures
General information: Do not leave affected person unattended. ;
Following inhalation: In case of respiratory tract irritation, consult a physician. ;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap. ;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ;
Following ingestion: Do NOT induce vomiting. ;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms to date. ;
Effects:

4.3 Indication of any immediate medical attention and special treatment needed
Notes for the doctor:
Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic.
Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes.
Fire precautions:
Do not eat, drink or smoke in areas where reagents are handled.
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed.
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m3)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m3)</th>
<th>VME (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
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- Spain

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE-EC (mg/m3)</th>
<th>VLE-EC (ppm)</th>
<th>VLE-ED (mg/m3)</th>
<th>VLE-ED (ppm)</th>
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<td>233-826-7</td>
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<td>233-826-7</td>
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</table>

- Germany

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m3)</th>
<th>AGW (ppm)</th>
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<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
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<td>6381-92-6</td>
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</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
Source: Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)</th>
<th>OSHA Permissible Exposure Limit (PEL) 8-hour TWA (mg/m3)</th>
<th>OSHA Permissible Exposure Limit (PEL) STEL (ppm)</th>
<th>OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)</th>
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<tr>
<td>10377-60-3 / 233-826-7</td>
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<td>6381-92-6</td>
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</tbody>
</table>

### 8.1.2 Biological limit values (Germany):

Source: List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m3)</th>
<th>BLV (ppm)</th>
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</table>

### 8.1.3 Exposure limits at intended use (Germany):

Source: TRGS 903, November 2015, BAuA

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m3)</th>
<th>BGW (ppm)</th>
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<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
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<td>6381-92-6</td>
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</tbody>
</table>

### 8.1.4 DNEL/PNEC-values:

- **DNEL worker**

Source: GESTIS – substance database

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m3)</th>
<th>Acute – inhalation, systemic effects (mg/m3)</th>
<th>Long-term – inhalation, local effects (mg/m3)</th>
<th>Long-term – inhalation, systemic effects (mg/m3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
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</tbody>
</table>

- **DNEL consumer**

Source: GESTIS – substance database

<table>
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<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m3)</th>
<th>Acute – inhalation, systemic effects (mg/m3)</th>
<th>Long-term – inhalation, local effects (mg/m3)</th>
<th>Long-term – inhalation, systemic effects (mg/m3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
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</tr>
</tbody>
</table>

DNEL remark:

- PNEC
### 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:

- **Eye / Face protection:** Safety glasses with side-shields
- **Skin protection:** Gloves
- **Respiratory protection:** Ensure adequate ventilation

8.2.3 Environmental exposure controls:

### Section 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td></td>
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</tr>
<tr>
<td>Melting point</td>
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<tr>
<td>Freezing point</td>
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<tr>
<td>Initial boiling point</td>
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<tr>
<td>Flash point</td>
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</table>

### Source:

INERIS
### Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CAL5-CGA-ELISA  CGA CAL5
Version: UK, Page 8 of 15, Revision date: 20/10/2020

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation rate (kg/m²/h)</td>
<td></td>
</tr>
<tr>
<td>Flammability (type : ) (%)</td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Upper explosive limit (%)</td>
</tr>
<tr>
<td>Vapour pressure (kPa)</td>
<td></td>
</tr>
<tr>
<td>Vapour density (g/cm³)</td>
<td></td>
</tr>
<tr>
<td>Densities</td>
<td></td>
</tr>
<tr>
<td>Density (g/cm³)</td>
<td></td>
</tr>
<tr>
<td>Relative density (g/cm³)</td>
<td></td>
</tr>
<tr>
<td>Bulk density (g/cm³)</td>
<td></td>
</tr>
<tr>
<td>Critical density (g/cm³)</td>
<td></td>
</tr>
<tr>
<td>Solubility (Type : ) (g/L)</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient (log Pow)</td>
<td></td>
</tr>
<tr>
<td>n-octanol/water at pH :</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td></td>
</tr>
<tr>
<td>Decomposition energy : kJ</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic (poiseuille)</td>
<td></td>
</tr>
<tr>
<td>Viscosity, cinematic (cm³/s)</td>
<td></td>
</tr>
<tr>
<td>Oxidising properties</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td></td>
</tr>
</tbody>
</table>

9.2 Other information:
No other relevant data available

**Section 10: Stability and reactivity**

10.1 Reactivity  This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

**Section 11: Toxicological information**

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:
Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>55965-84-9 / 247-500-7</td>
<td></td>
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</tr>
</tbody>
</table>

Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)L50 (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>55965-84-9 / 247-500-7</td>
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<td></td>
</tr>
</tbody>
</table>

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
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</tr>
<tr>
<td>55965-84-9 / 247-500-7</td>
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<td></td>
</tr>
</tbody>
</table>

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity:

Animal data:

Assessment / Classification:
Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- **Specific target organ toxicity (single exposure)**
  - STOT SE 1 and 2

Animal data:

Other information:

- STOT SE 3

Practical experience / human evidence:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>NOEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
</tr>
</tbody>
</table>

Other information:
Assessment / Classification:

- **Specific target organ toxicity (repeated exposure)**

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- **Aspiration hazard**

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 **Mixtures**
No toxicological information is available for the mixture itself
**Section 12 : Ecological information**

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

**12.1 Aquatic toxicity:**

**Acute (short-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
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</thead>
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<tr>
<td>55965-84-9 / 247-500-7</td>
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</table>

**Chronic (long-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
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</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
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</table>

**Acute (short-term) toxicity to crustacea**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
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<td>55965-84-9 / 247-500-7</td>
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**Chronic (long-term) toxicity to crustacea**

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<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
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</table>

**Acute (short-term) toxicity to algae and cyanobacteria**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
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</tbody>
</table>

**Toxicity to microorganisms and other aquatic plants / organisms**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
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<tr>
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12.2 Persistence and degradability

Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
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<tbody>
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</table>

Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life time (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
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</table>

Assessment / Classification:

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC n°</th>
<th>CAS n°</th>
<th>Distribution</th>
<th>Transport type</th>
<th>Henry's law constant (Pa·m³/mol)</th>
<th>Log KOC</th>
<th>Half-life time in soil (j)</th>
<th>Half-life time in fresh water (j)</th>
<th>Half-life time in sea water (j)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14 : Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
<th>UN No.</th>
<th>UN Proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Hazard label(s)</th>
<th>Packing group</th>
</tr>
</thead>
</table>

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**Land transport (ADR/RID)**
- Classification code ADR:
- Limited quantities for ADR/RID:
- Packing Instructions for ADR/RID:
- Mixed packing provisions:
  - Portable tanks and bulk containers Instructions:
  - Portable tanks and bulk containers Special Provisions:
- ADR Tank Code:
- Vehicle for tank carriage:
  - Special provisions for carriage Packages:
  - Special provisions for carriage Bulk:
  - Special provisions for carriage for loading, unloading and handling:
  - Special Provisions for carriage Operation:
- Hazard identification No:
- Transport category (Tunnel restriction code):

**Sea transport (IMDG)**
- Marine Pollutant:
- Packing provisions for IMDG:
- Packing instructions for IMDG:
- IBC Provisions:
- UN tank instructions:
- EmS:
  - Stowage and segregation for IMDG:
- Properties and observations:

**Inland waterway transport (ADN)**
- Classification Code ADN:
- Limited quantities ADN:
- Carriage permitted:
- Provisions concerning loading and unloading:
- Number of blue cones/lights:
- Special Provisions ADN:
- Excepted quantities ADN:
- Equipment required:
- Provisions concerning carriage:
- Remark:

**Air transport (ICAO-TI / IATA-DGR)**
- Subsidiary risk for IATA:
- Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
- Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use: 55965-84-9 / 247-500-7
SVHC :
- Other EU regulations:
- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes
Date of the previous version: 30/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statments</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire oxidizer</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Designation / Commercial name: CONT-CGA-ELISA CGAELISATEST

CAS No.: Index No: EC No: REACH No:

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic.
Uses advised against:

1.3 Details of the supplier of the safety data sheet:

Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:

France - Numéro ORFILA (INRS): + 33 (0)1 45 42 59 59

Ce numéro permet d’obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Product identifier:
Designation / Commercial name: CONT-CGA-ELISA CGAELISATEST

Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td></td>
<td>233-826-7</td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hazard pictograms
GH07-exclam

Signal word: Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P321</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHEmicals Agency (ECHA) under article S7 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006. Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>Acute toxicity - Acute Tox. 4 - H332 - Inhalation Specific target organ toxicity - repeated exposure - STOT RE 2 - H373</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
<td>Oxidising solid - Ox. Sol. 3 - H272 Serious eye damage/eye irritation - Eye Irrit. 2 - H319 Skin corrosion/irritation - Skin Irrit. 2 - H315 Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral Acute toxicity - Acute Tox. 3 - H311 - Dermal Acute toxicity - Acute Tox. 3 - H331 - Inhalation Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1 - H317 Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended. ; Following inhalation: In case of respiratory tract irritation, consult a physician. ; Following skin contact: After contact with skin, wash immediately with plenty of water and soap. ; Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ; Following ingestion: Do NOT induce vomiting. ; Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date. ; Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:
Section 5 :  Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire;

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products /

5.3 Advice for fire-fighters
Wear Protective clothing. ;

Section 6 :  Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation. ;

6.2 Environmental precautions
Do not allow to enter into surface water or drains. ;

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic ; Other information:

6.4 Reference to other sections
Additional information:

Section 7 :  Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes. ; Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled. ; Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice ;

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions: Requirements for storage rooms and vessels: Keep container tightly closed. ;
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
**Section 8: Exposure controls/personal protection**

**8.1 Control parameters**

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m3)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m3)</th>
<th>VME (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Spain

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLA-EC (mg/m3)</th>
<th>VLA-EC (ppm)</th>
<th>VLA-ED (mg/m3)</th>
<th>VLA-ED (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Germany

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m3)</th>
<th>AGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
### 8.1.2 Biological limit values (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m3)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td>6381-92-6</td>
</tr>
</tbody>
</table>

### 8.1.3 Exposure limits at intended use (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m3)</th>
<th>BGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td>6381-92-6</td>
</tr>
</tbody>
</table>

### 8.1.4 DNEL/PNEC-values:

- **DNEL worker**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m3)</th>
<th>Acute – inhalation, systemic effects (mg/m3)</th>
<th>Long-term – inhalation, local effects (mg/m3)</th>
<th>Long-term – inhalation, systemic effects (mg/m3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>1.5-1.5</td>
<td>147-147</td>
<td>1.5-1.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **DNEL consumer**

### DNEL remark:

- **PNEC**
Source : INERIS

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>PNEC AQUATIC</th>
<th>PNEC Sediment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>freshwater</td>
<td>marine water</td>
</tr>
<tr>
<td></td>
<td>(mg/L)</td>
<td>(mg/kg)</td>
<td>(ppm)</td>
<td>(mg/L)</td>
</tr>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
</tr>
</tbody>
</table>

PNEC remark:
Control parameters remark:

8.2 Exposure controls
8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>White ;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour threshold (ppm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Section 10: Stability and reactivity

**10.1 Reactivity** This material is considered to be non-reactive under normal use conditions.

**10.2 Chemical stability**

**10.3 Possibility of hazardous reactions**

**10.4 Conditions to avoid:**

**10.5 Incompatible materials:**

**10.6 Hazardous decomposition products:**
Does not decompose when used for intended uses.

### Section 11: Toxicological information

Toxicokinetics, metabolism and distribution

**11.1 Information on toxicological effects**

**Substances**

- **Acute toxicity**
  
  **Animal data:**
  Acute oral toxicity:
### Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)L50 (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Practical experience / human evidence:

**Assessment / Classification:**

**General Remark:**

- **Skin corrosion/irritation**

**Animal data:**

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**In-vitro skin test method:**

**In-vitro skin test result:**

**Assessment / Classification:**

- **Eye damage/irritation**

**Animal data:**

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**In vitro eye test method:**

**In vitro eye test result:**

**Assessment / Classification:**

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - Germ cell mutagenicity:
Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- **Specific target organ toxicity (single exposure)**
  - STOT SE 1 and 2

Animal data:

Other information:

- STOT SE 3

Practical experience / human evidence:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>NOEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
</tr>
</tbody>
</table>

Other information:
Assessment / Classification:

- **Specific target organ toxicity (repeated exposure)**

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- **Aspiration hazard**

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 **Mixtures**

No toxicological information is available for the mixture itself
Section 12: Ecological information

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method). In this case the toxicological data of the ingredients are shown.

### 12.1 Aquatic toxicity:

**Acute (short-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chronic (long-term) fish toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Acute (short-term) toxicity to crustacea**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**Chronic (long-term) toxicity to crustacea**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Acute (short-term) toxicity to algae and cyanobacteria**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Toxicity to microorganisms and other aquatic plants / organisms**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:
12.2 Persistence and degradability

Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life time (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:

12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
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</tr>
</tbody>
</table>

12.4 Mobility in soil

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
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</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14 : Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
Classification code ADR: Special Provisions for ADR/RID:
Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:
Mixed packing provisions:
Portable tanks and bulk containers Instructions:
Portable tanks and bulk containers Special Provisions:
ADR Tank Code: ADR Tank special provisions:
Vehicle for tank carriage:
Special provisions for carriage Packages:
Special provisions for carriage Bulk:
Special provisions for carriage for loading, unloading and handling:
Special Provisions for carriage Operation:
Hazard identification No: Transport category (Tunnel restriction code):

Sea transport (IMDG)
Marine Pollutant: Subsidiary risk(s) for IMDG:
Packing provisions for IMDG: Limited quantities for IMDG:
Packing instructions for IMDG: IBC Instructions:
IBC Provisions: IMO tank instructions:
UN tank instructions: Tanks and bulk Provisions:
EmS: Stowage and segregation for IMDG:
Properties and observations:

Inland waterway transport (ADN)
Classification Code ADN: Special Provisions ADN:
Limited quantities ADN: Excepted quantities ADN:
Carriage permitted: Equipment required:
Provisions concerning loading and unloading: Provisions concerning carriage:
Number of blue cones/lights: Remark:

Air transport (ICAO-TI / IATA-DGR)
Subsidiary risk for IATA: Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Passenger and Cargo Aircraft Packaging Instructions:
Passenger and Cargo Aircraft Maximal Net Quantity:
Cargo Aircraft only Packaging Instructions:
Cargo Aircraft only Maximal Net Quantity:
ERG code: Special Provisions for IATA:

Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use: 55965-84-9 / 247-500-7
SVHC:
- Other EU regulations:
- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes
Date of the previous version: 30/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statments</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire oxidizer</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>NY</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name : CONJ-CGA-ELISA CONJ CGA
CAS No.: Index No: EC No: REACH No:

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone : +33 4 66 96705 - Fax : +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2 : Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
</tbody>
</table>

Hazard pictograms
GH507-exclam

Signal word:
Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P321</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
<td>Oxidising solid - Ox. Sol. 3 - H272 Serious eye damage/eye irritation - Eye Irrit. 2 - H319 Skin corrosion/irritation - Skin Irrit. 2 - H315 Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral Acute toxicity - Acute Tox. 3 - H311 - Dermal Acute toxicity - Acute Tox. 3 - H331 - Inhalation Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1 - H317 Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:

Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended.;
Following inhalation: In case of respiratory tract irritation, consult a physician.;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap.;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.;
Following ingestion: Do NOT induce vomiting.;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date.;
Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:
Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic. Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes. Fire precautions:

Do not eat, drink or smoke in areas where reagents are handled. Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed.
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m3)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m3)</th>
<th>VME (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Spain

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLA-EC (mg/m3)</th>
<th>VLA-EC (ppm)</th>
<th>VLA-ED (mg/m3)</th>
<th>VLA-ED (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Germany

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m3)</th>
<th>AGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
### 8.1.2 Biological limit values (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m³)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.1.3 Exposure limits at intended use (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m³)</th>
<th>BGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.1.4 DNEL/PNEC-values:

- **DNEL worker**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Acute – inhalation, systemic effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, systemic effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td>147-147</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **DNEL consumer**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Acute – inhalation, systemic effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, systemic effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DNEL remark:
- **PNEC**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>PNEC AQUATIC</th>
<th>PNEC Sediment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>freshwater</td>
<td>marine water</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>intermittent release</td>
<td>freshwater</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>marine water</td>
<td></td>
</tr>
</tbody>
</table>
8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure [kPa]</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate (kg/m²/h)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (type : ) [%]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
<td>Upper explosive limit (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour pressure [kPa]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour density [g/cm³]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density [g/cm³]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
9.2 **Other information:**
No other relevant data available

**Section 10 : Stability and reactivity**

**10.1 Reactivity**  This material is considered to be non-reactive under normal use conditions.

**10.2 Chemical stability**

**10.3 Possibility of hazardous reactions**

**10.4 Conditions to avoid:**

**10.5 Incompatible materials:**

**10.6 Hazardous decomposition products:**
Does not decompose when used for intended uses.

**Section 11 : Toxicological information**
Toxicokinetics, metabolism and distribution

**11.1 Information on toxicological effects**

Substances

- **Acute toxicity**

**Animal data:**
Acute oral toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute dermal toxicity:
Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)L50 (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity:

Animal data:
Assessment / Classification:

- Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: CONJ-CGA-ELISA CONJ CGA
Version: UK, Page 10 of 14, Revision date: 20/10/2020

Assessment / Classification:
- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
  - STOT SE 1 and 2

Animal data:

Other information:
Assessment / Classification:

- Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself

Section 12: Ecological information
In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.
### Aquatic toxicity:

#### Acute (short-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>LC50 (mg/L)</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Chronic (long-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Acute (short-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Chronic (long-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Acute (short-term) toxicity to algae and cyanobacteria

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Toxicity to microorganisms and other aquatic plants / organisms

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Assessment / Classification:

#### Persistence and degradability

**Biodegradation:**

Source: Informations relatives à la réglementation VME (France) : ED 984, 07.2012
Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assessment / Classification:

### 12.3 Bioaccumulative potential
Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC n°</th>
<th>CAS n°</th>
<th>Distribution</th>
<th>Transport type</th>
<th>Henry’s law constant (Pa.m3/mol)</th>
<th>Log KOC</th>
<th>Half-life time in soil (j)</th>
<th>Half-life time in fresh water (j)</th>
<th>Half-life time in sea water (j)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12.5 Results of PBT and vPvB assessment

### 12.6 Other adverse effects:

Additional ecotoxicological information:

**Section 13 : Disposal considerations**

### 13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.
Section 14 : Transport information

<table>
<thead>
<tr>
<th>UN No.</th>
<th>UN Proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Hazard label(s)</th>
<th>Packing group</th>
</tr>
</thead>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
- Classification code ADR:
- Special Provisions for ADR/RID:
- Limited quantities for ADR/RID:
- Excepted Quantities for ADR/RID:
- Packing Instructions for ADR/RID:
- Special packing provisions for ADR/RID:
- Mixed packing provisions:
- Portable tanks and bulk containers Instructions:
- Portable tanks and bulk containers Special Provisions:
- ADR Tank Code:
- ADR Tank special provisions:
- Vehicle for tank carriage:
- Special provisions for carriage Packages:
- Special provisions for carriage Bulk:
- Special provisions for carriage for loading, unloading and handling:
- Special Provisions for carriage Operation:
- Hazard identification No:
- Transport category (Tunnel restriction code):

Sea transport (IMDG)
- Marine Pollutant:
- Subsidiary risk(s) for IMDG:
- Packing instructions for IMDG:
- Limited quantities for IMDG:
- IBC Instructions:
- IMO tank instructions:
- UN tank instructions:
- Tanks and bulk Provisions:
- EmS:
- Stowage and segregation for IMDG:

Properties and observations:

Inland waterway transport (ADN)
- Classification Code ADN:
- Special Provisions ADN:
- Limited quantities ADN:
- Excepted quantities ADN:
- Equipment required:
- Provisions concerning loading and unloading:
- Provisions concerning carriage:
- Number of blue cones/lights:
- Remark:

Air transport (ICAO-TI / IATA-DGR)
- Subsidiary risk for IATA:
- Excepted quantity for IATA:
- Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
- Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
- Passenger and Cargo Aircraft Packaging Instructions:
- Passenger and Cargo Aircraft Maximal Net Quantity:
- Cargo Aircraft only Packaging Instructions:
- Cargo Aircraft only Maximal Net Quantity:
- ERG code:
- Special Provisions for IATA:

Section 15 : Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

  Authorisations:
  Restrictions on use: 55965-84-9 / 247-500-7
  SVHC:

  - Other EU regulations:

  - Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:

For this mixture, no chemical safety assessment has been carried out

Section 16: Other information

16.1 Indication of changes

Date of the previous version: 22/09/2020

Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire oxidizer</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Designation / Commercial name : MICROPLATE-CGA-ELISA

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic ;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:

Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone : +33 4 66 96 70 05 - Fax : +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:

France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

Ce numéro permet d’obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2 : Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Product identifier:
Designation / Commercial name : MICROPLATE-CGA-ELISA

Substances contained in this product:
Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annex III of the REACH regulations EC 1907/2006. ;
Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients:


Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures
General information: Do not leave affected person unattended.; Remove affected person from the danger area and lay down.;
Following inhalation: In case of respiratory tract irritation, consult a physician.; Provide fresh air.;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap.; Remove contaminated clothing;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.;
Following ingestion: Do NOT induce vomiting.; Give nothing to eat or drink.; If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms to date.;
Effects:

4.3 Indication of any immediate medical attention and special treatment needed
Notes for the doctor:

Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire;

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.;
Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation. ; Emergency procedures: Remove persons to safety. ; Personal precautions: Use personal protection equipment (see section 8). ;

6.2 Environmental precautions
Do not allow to enter into surface water or drains. ; Ensure waste is collected and contained. ;

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic ; Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes. ; Avoid: Eye contact ; Avoid: Generation/formation of aerosols ; Avoid: Skin contact ; Avoid: inhalation ; In the immediate working surroundings there must be: Emergency shower installed ; In the immediate working surroundings there must be: Provide eye shower and label its location conspicuously ; Wash contaminated clothing immediately. ; Wash hands before breaks and after work. ; Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled. ; Do not pipet by mouth ; Wear suitable one-way gloves at work ;
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice ; Observe technical data sheet. ; Remove contaminated, saturated clothing. ; Wash hands before breaks and after work. ;

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France
- Spain
- Germany
- Italia
- Greece
- UK
- OSHA (USA)

8.1.2 Biological limit values (Germany):

8.1.3 Exposure limits at intended use (Germany):

8.1.4 DNEL/PNEC-values:

- DNEL worker
  - DNEL consumer

DNEL remark:

- PNEC
PNEC remark:
Control parameters remark:

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves; Laboratory coats;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
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<tbody>
<tr>
<td>pH</td>
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<td></td>
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<tr>
<td>Melting point (°C)</td>
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<td>Freezing point (°C)</td>
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<td>Initial boiling point/boiling range (°C)</td>
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<tr>
<td>Flash point (°C)</td>
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<tr>
<td>Evaporation rate (kg/m²/h)</td>
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<tr>
<td>Flammability (type : ) (%)</td>
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<td>Upper/lower flammability or explosive limits</td>
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<tr>
<td>Lower explosive limit (%)</td>
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<td>Vapour pressure [kPa]</td>
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<tr>
<td>Relative density [g/cm³]</td>
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<td>Bulk density [g/cm³]</td>
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<td>Critical density [g/cm³]</td>
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<tr>
<td>Solubility (Type : l/g)</td>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>Partition coefficient (log Pow)</td>
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<td>n-octanol/water at pH</td>
<td></td>
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<tr>
<td>Auto-ignition temperature (°C)</td>
<td></td>
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<td>Decomposition temperature (°C)</td>
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</tr>
<tr>
<td>Decomposition energy : kJ</td>
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<tr>
<td>Viscosity</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Viscosity, dynamic (poiseuille)</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Viscosity, cinematic (cm²/s)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

9.2 Other information:
No other relevant data available
Section 10 : Stability and reactivity

10.1 Reactivity  This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products: Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapors.

Section 11 : Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:

Acute dermal toxicity:

Acute inhalative toxicity:

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity:

Animal data:
Assessment / Classification:
- Carcinogenicity

Practical experience / human evidence:
Animal data:
Other information:
Assessment / Classification:
- Reproductive toxicity

Practical experience / human evidence:
Animal data:
Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
  - STOT SE 1 and 2

Animal data:
Other information:
- STOT SE 3

Practical experience / human evidence:
Other information:
Assessment / Classification:

- Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:
Assessment / Classification:
Other information

- Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself

Section 12: Ecological Information
In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method); in this case the toxicological data of the ingredients are shown.

12.1 Aquatic Toxicity:
Acute (short-term) fish toxicity
Chronic (long-term) fish toxicity
Acute (short-term) toxicity to crustacea
Chronic (long-term) toxicity to crustacea
Acute (short-term) toxicity to algae and cyanobacteria
Toxicity to microorganisms and other aquatic plants / organisms

Assessment / Classification:

12.2 Persistence and degradability
Biodegradation:
Abiotic Degradation:
Assessment / Classification:

12.3 Bioaccumulative potential
Bioconcentration factor (BCF):

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14 : Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
- Classification code ADR:
- Limited quantities for ADR/RID:
- Packing Instructions for ADR/RID:
- Mixed packing provisions:
- Portable tanks and bulk containers Instructions:
- Portable tanks and bulk containers Special Provisions:
- ADR Tank Code: ADR Tank special provisions:
- Vehicle for tank carriage:
- Special provisions for carriage Packages:
- Special provisions for carriage Bulk:
- Special provisions for carriage for loading, unloading and handling:
- Special Provisions for carriage Operation:
- Hazard identification No: Transport category (Tunnel restriction code):

Sea transport (IMDG)
- Marine Pollutant: Subsidiary risk(s) for IMDG:
- Packing provisions for IMDG: Limited quantities for IMDG:
- Packing instructions for IMDG: IBC Instructions:
- IBC Provisions: IMO tank instructions:
- UN tank instructions: Tanks and bulk Provisions:
- EmS: Stowage and segregation for IMDG:
- Properties and observations:

Inland waterway transport (ADN)
- Classification Code ADN: Special Provisions ADN:
- Limited quantities ADN: Excepted quantities ADN:
- Carriage permitted: Equipment required:
- Provisions concerning loading and unloading: Provisions concerning carriage:
- Number of blue coneslights: Remark:

Air transport (ICAO-TI / IATA-DGR)
- Subsidiary risk for IATA: Excepted quantity for IATA:
- Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
- Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use:
SVHC :
  - Other EU regulations:
    - Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:

For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes

Date of the previous version: 13/07/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: CONT2-CGA-ELISA

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

Ce numéro permet d’obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]
Product identifier:
Designation / Commercial name : CONT2-CGA-ELISA

Substances contained in this product:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td></td>
<td>233-826-7</td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
</tr>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hazard pictograms
GHS07-exclam

Signal word: Warning

Hazard and precautionary statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P352</td>
<td>IF ON SKIN: Wash with plenty of water/...</td>
</tr>
<tr>
<td>P321</td>
<td>Specific treatment (see ... on this label).</td>
</tr>
<tr>
<td>P333 + P313</td>
<td>If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P362 + P364</td>
<td>Take off contaminated clothing and wash it before reuse.</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose of contents/container to ...</td>
</tr>
</tbody>
</table>

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHEmicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006. 

Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine-N,N,N1,N1-tetraacetic acid</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td>Acute toxicity - Acute Tox. 4 - H332 - Inhalation Specific target organ toxicity - repeated exposure - STOT RE 2 - H373</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>magnesium nitrate</td>
<td>10377-60-3</td>
<td>233-826-7</td>
<td></td>
<td>Oxidising solid - Ox. Sol. 3 - H272 Serious eye damage/eye irritation - Eye Irrit. 2 - H319 Skin corrosion/irritation - Skin Irrit. 2 - H315 Specific target organ toxicity - single exposure - STOT SE 3 - H335</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)</td>
<td>55965-84-9</td>
<td>613-167-00-5</td>
<td>247-500-7</td>
<td>Acute toxicity - Acute Tox. 3 - H301 - Oral Acute toxicity - Acute Tox. 3 - H311 - Dermal Acute toxicity - Acute Tox. 3 - H331 - Inhalation Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1 - H317 Skin corrosion/irritation - Skin Corr. 1B - H314</td>
<td>&lt; 0.06 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended. ;
Following inhalation: In case of respiratory tract irritation, consult a physician. ;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap. ;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ;
Following ingestion: Do NOT induce vomiting. ;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date. ;
Effects: 

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:
Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire;

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:

5.3 Advice for fire-fighters
Wear Protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic; Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes; Fire preventions:

Do not eat, drink or smoke in areas where reagents are handled; Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice;

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed;
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>VLE (mg/m³)</th>
<th>VLE (ppm)</th>
<th>VME (mg/m³)</th>
<th>VME (ppm)</th>
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<tbody>
<tr>
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<td>233-826-7</td>
<td>10377-60-3</td>
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<td>6381-92-6</td>
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<td>6381-92-6</td>
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</table>

- Spain

<table>
<thead>
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<th>EC-No.</th>
<th>CAS-No</th>
<th>VLA-EC (mg/m³)</th>
<th>VLA-EC (ppm)</th>
<th>VLA-ED (mg/m³)</th>
<th>VLA-ED (ppm)</th>
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</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
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<td></td>
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<tr>
<td>6381-92-6</td>
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<td>6381-92-6</td>
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</table>

- Germany

<table>
<thead>
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<th>EC-No.</th>
<th>CAS-No</th>
<th>AGW (mg/m³)</th>
<th>AGW (ppm)</th>
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</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
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</tr>
<tr>
<td>6381-92-6</td>
<td></td>
<td>6381-92-6</td>
<td></td>
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</tr>
</tbody>
</table>

- Italia

- Greece

- UK

- OSHA (USA)
### Biological limit values (Germany):

**Source:** List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m³)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
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<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
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<td></td>
</tr>
</tbody>
</table>

### Exposure limits at intended use (Germany):

**Source:** TRGS 903, November 2015, BAuA

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m³)</th>
<th>BGW (ppm)</th>
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<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
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<td>6381-92-6</td>
<td>6381-92-6</td>
<td>6381-92-6</td>
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<td></td>
</tr>
</tbody>
</table>

### DNEL/PNEC-values:

- **DNEL worker**

**Source:** GESTIS – substance database

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Acute – inhalation, systemic effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, systemic effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
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<tr>
<td>6381-92-6</td>
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- **DNEL consumer**

**Source:** GESTIS – substance database

<table>
<thead>
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<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Acute – inhalation, systemic effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, systemic effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
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**DNEL remark:**

- PNEC
### Section 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
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<td></td>
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</tr>
<tr>
<td>Colour</td>
<td>White</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Odour</td>
<td></td>
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<tr>
<td>Odour threshold (ppm)</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

### Source: INERIS

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>PNEC AQUATIC</th>
<th>PNEC Sediment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>freshwater</td>
<td>intermittent release</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(mg/L)</td>
<td>(mg/kg)</td>
</tr>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6381-92-6</td>
<td>6381-92-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Source: INERIS

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Others</th>
<th>PNEC soil</th>
<th>PNEC sewage treatment plant</th>
<th>PNEC air</th>
<th>PNEC secondary poisoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(mg/L)</td>
<td>(mg/kg)</td>
<td>(ppm)</td>
<td>(mg/L)</td>
</tr>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td>233-826-7</td>
<td>10377-60-3</td>
<td></td>
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<tr>
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<td>6381-92-6</td>
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</tr>
</tbody>
</table>

PNEC remark:
Control parameters remark:

#### 8.2 Exposure controls

##### 8.2.1 Appropriate engineering controls:

##### 8.2.2 Personal protective equipment:

Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:

##### 8.2.3 Environmental exposure controls:
Evaporation rate (kg/m²/h)
Flammability (type : ) [%]
Upper/Lower
flammability or explosive
limits
Upper explosive limit
( %)
Lower explosive limit (%)
Vapour pressure (kPa)
Vapour density (g/cm³)
Densities
Density (g/cm³)
Relative density (g/cm³)
Bulk density (g/cm³)
Critical density (g/cm³)
Solubility (Type : ) (g/L)
Partition coefficient (log Pow)
Octanol/water at pH :
Auto-ignition temperature (°C)
Decomposition temperature (°C)
Decomposition energy : kJ
Viscosity
Viscosity, dynamic (poiseuille)
Viscosity, cinematic (cm³/s)
Oxidising properties
Explosive properties

9.2 Other information:
No other relevant data available

Section 10: Stability and reactivity

10.1 Reactivity This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

Section 11: Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name : CONT2-CGA-ELISA
Version: UK, Page 9 of 15, Revision date: 20/10/2020

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Symptoms / delayed effects</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>LD50 (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>C(E)L50 (mg/L)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
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<tr>
<td>55965-84-9 / 247-500-7</td>
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<td></td>
</tr>
</tbody>
</table>

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity:

Animal data:

Assessment / Classification:
Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
  - STOT SE 1 and 2

Animal data:

Other information:
Assessment / Classification:

- STOT SE 3

Practical experience / human evidence:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>NOEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>10377-60-3 / 233-826-7</td>
<td></td>
</tr>
</tbody>
</table>

Other information:
Assessment / Classification:

- Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself
Section 12: Ecological information

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

12.1 Aquatic toxicity:
Acute (short-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>LC50 (mg/L)</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
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</tr>
</tbody>
</table>

Chronic (long-term) fish toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
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</tbody>
</table>

Acute (short-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
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</table>

Chronic (long-term) toxicity to crustacea

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>NOEC (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
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</tbody>
</table>

Acute (short-term) toxicity to algae and cyanobacteria

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Test duration</th>
<th>Species</th>
<th>Result/Evaluation</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
<td>55965-84-9</td>
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</tr>
</tbody>
</table>

Toxicity to microorganisms and other aquatic plants / organisms

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>EC50 (mg/L)</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
<th>General Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
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<td>55965-84-9</td>
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</tbody>
</table>
### 12.2 Persistence and degradability

#### Biodegradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Inoculum</th>
<th>Biodegradation parameter</th>
<th>Degradation rate (%)</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
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#### Abiotic Degradation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Abiotic degradation test type</th>
<th>Half-life time (j)</th>
<th>Temperature (°C)</th>
<th>pH</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>55965-84-9 / 247-500-7</td>
<td>247-500-7</td>
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</tr>
</tbody>
</table>

#### Assessment / Classification:

### 12.3 Bioaccumulative potential

#### Bioconcentration factor (BCF):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Species</th>
<th>Result</th>
<th>Method</th>
<th>Remark</th>
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<td>55965-84-9</td>
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### 12.4 Mobility in soil

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<tr>
<td>55965-84-9 / 247-500-7</td>
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</tr>
</tbody>
</table>

### 12.5 Results of PBT and vPvB assessment

### 12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14 : Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
- Classification code ADR:
- Limited quantities for ADR/RID:
- Packing Instructions for ADR/RID:
- Mixed packing provisions:
  - Portable tanks and bulk containers Instructions:
  - Portable tanks and bulk containers Special Provisions:
  - ADR Tank Code:
  - Vehicle for tank carriage:
  - Special provisions for carriage Packages:
  - Special provisions for carriage Bulk:
  - Special provisions for carriage for loading, unloading and handling:
  - Special Provisions for carriage Operation:
- Hazard identification No:
- Transport category (Tunnel restriction code):

Sea transport (IMDG)
- Marine Pollutant:
- Packing provisions for IMDG:
- Packing instructions for IMDG:
- IBC Provisions:
- UN tank instructions:
- EmS:
- Properties and observations:

Inland waterway transport (ADN)
- Classification Code ADN:
- Limited quantities ADN:
- Carriage permitted:
- Provisions concerning loading and unloading:
- Number of blue cones/lights:

Air transport (ICAO-TI / IATA-DGR)
- Subsidiary risk for IATA:
- Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
- Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

  Authorisations:
  Restrictions on use: 55965-84-9 / 247-500-7

SVHC:

- Other EU regulations:

  Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:

For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes

Date of the previous version: 30/07/2020

Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statments</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire</td>
</tr>
<tr>
<td>H301</td>
<td>Oxidizer</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: STOP-SOL STOP SOL

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0) 1 45 42 59 59

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Product identifier:
Designation / Commercial name: STOP-SOL STOP SOL

Substances contained in this product:
Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards
The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS n°</th>
<th>Index n°</th>
<th>EC n°</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Concentration (%)</th>
<th>SCL</th>
<th>M-factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid</td>
<td>7664-93-9</td>
<td>016-020-00-8</td>
<td>231-639-5</td>
<td>Skin corrosion/irritation - Skin Corr. 1A - H314</td>
<td>&lt; 3%</td>
<td>Skin Corr. 1A H314: C ≥ 15 %</td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended.;
Following inhalation: In case of respiratory tract irritation, consult a physician.;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap.;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.;
Following ingestion: Do NOT induce vomiting.;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date.;
Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:

Section 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire;

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

5.3 Advice for fire-fighters

Wear Protective clothing.;
Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic
Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes.
Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled.
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed.
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:

Section 8: Exposure controls/personal protection

8.1 Control parameters
Preliminary remark:

8.1.1 Occupational exposure limits:
- France
### Substance Data Sheet

#### Designation / Commercial name: STOP-SOL STOP SOL

**Version:** UK, Page 5 of 13, Revision date: 15/07/2020

<table>
<thead>
<tr>
<th>Source</th>
<th>Informations relatives à la réglementation VME (France) : ED 984, 07.2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>EC-No.</td>
</tr>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
</tr>
</tbody>
</table>

- **Spain**

<table>
<thead>
<tr>
<th>Source</th>
<th>Limites de Exposicion Profesional para Agentes Quimicos en Espana Instituto Nacional de Seguridad e Higiene en el Trabajo June 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>EC-No.</td>
</tr>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
</tr>
</tbody>
</table>

- **Germany**

<table>
<thead>
<tr>
<th>Source</th>
<th>TRGS 900, June 2015, BAuA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>EC-No.</td>
</tr>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
</tr>
</tbody>
</table>

- **Italia**

- **Greece**

- **UK**

- **OSHA (USA)**

<table>
<thead>
<tr>
<th>Source</th>
<th>Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>EC-No.</td>
</tr>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
</tr>
</tbody>
</table>

#### 8.1.2 Biological limit values (Germany):

<table>
<thead>
<tr>
<th>Source</th>
<th>List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014</th>
</tr>
</thead>
</table>
### Safety Data Sheet

**Designation / Commercial name:** STOP-SOL  STOP SOL  
**Version:** UK, Page 6 of 13, Revision date: 15/07/2020

#### 8.1.3 Exposure limits at intended use (Germany):

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BLV (mg/m³)</th>
<th>BLV (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
<td>7664-93-9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 8.1.4 DNEL/PNEC-values:

- **DNEL worker**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>BGW (mg/m³)</th>
<th>BGW (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
<td>7664-93-9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **DNEL consumer**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Acute – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, local effects (mg/kg/day)</th>
<th>Long-term – dermal, systemic effects (mg/kg/day)</th>
<th>Acute – inhalation, local effects (mg/m³)</th>
<th>Acute – inhalation, systemic effects (mg/m³)</th>
<th>Long-term – inhalation, local effects (mg/m³)</th>
<th>Long-term – inhalation, systemic effects (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
<td>7664-93-9</td>
<td>0.1-0.1</td>
<td>0.05-0.05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DNEL remark:**

- **PNEC**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>PNEC AQUATIC</th>
<th>PNEC Sediment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>freshwater (mg/L)</td>
<td>marine water (mg/L)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(mg/kg)</td>
<td>(ppm)</td>
</tr>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
<td>7664-93-9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Others**

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>PNEC soil (mg/L)</th>
<th>PNEC sewage treatment plant (mg/L)</th>
<th>PNEC air (mg/L)</th>
<th>PNEC secondary poisoning (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(mg/kg)</td>
<td>(ppm)</td>
<td>(mg/kg)</td>
<td>(ppm)</td>
</tr>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>231-639-5</td>
<td>7664-93-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: STOP-SOL STOP SOL
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<table>
<thead>
<tr>
<th>7664-93-9 / 231-639-5</th>
<th>231-639-5</th>
<th>7664-93-9</th>
</tr>
</thead>
</table>

PNEC remark:
Control parameters remark:

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls:

#### 8.2.2 Personal protective equipment:

**Eye / Face protection:** Safety glasses with side-shields;

**Skin protection:** Gloves;

**Respiratory protection:** Ensure adequate ventilation;

**Thermal hazards:**

#### 8.2.3 Environmental exposure controls:

### Section 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**Appearance**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odour</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Odour threshold (ppm)</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate (kg/m²/h)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability type (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper explosive limit (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower explosive limit (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour pressure (kPa)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour density (g/cm³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Densities**

<table>
<thead>
<tr>
<th>Density (g/cm³)</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (g/cm³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative density (g/cm³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulk density (g/cm³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Critical density (g/cm³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Solubility (Type : Type) (g/L)**

<table>
<thead>
<tr>
<th>Solubility</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient (log Pow)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>%octanol/water at pH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition energy : kJ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Viscosity**

<table>
<thead>
<tr>
<th>Viscosity, dynamic (poiseuille)</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, cinematic (cm²/s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Oxidising properties**

**Explosive properties**
9.2 Other information:
No other relevant data available

Section 10: Stability and reactivity

10.1 Reactivity
This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

Section 11: Toxicological information

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

• Acute toxicity

Animal data:
Acute oral toxicity:

Acute dermal toxicity:

Acute inhalative toxicity:

Practical experience / human evidence:
Assessment / Classification:
General Remark:

• Skin corrosion/irritation

Animal data:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Result/evaluation</th>
<th>Score</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-93-9 / 231-639-5</td>
<td>Rabbit</td>
<td></td>
<td></td>
<td>occlusive.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:
• **Eye damage/irritation**

**Animal data:**

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - Germ cell mutagenicity:

**Animal data:**

Assessment / Classification:

  - Carcinogenicity

**Practical experience / human evidence:**

**Animal data:**

**Other information:**

Assessment / Classification:

  - Reproductive toxicity

**Practical experience / human evidence:**

**Animal data:**

**Other information:**

Assessment / Classification:

**Overall assessment on CMR properties:**

- **Specific target organ toxicity (single exposure)**
  - STOT SE 1 and 2

**Animal data:**

**Other information:**

  - STOT SE 3

**Practical experience / human evidence:**

**Other information:**

Assessment / Classification:

- **Specific target organ toxicity (repeated exposure)**

**Practical experience / human evidence:**

**Animal data:**

Assessment / Classification:
Other information

- Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself

Section 12 : Ecological information
In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method) in this case the toxicological data of the ingredients are shown.

12.1 Aquatic toxicity:
Acute (short-term) fish toxicity

Chronic (long-term) fish toxicity

Acute (short-term) toxicity to crustacea

Chronic (long-term) toxicity to crustacea

Acute (short-term) toxicity to algae and cyanobacteria

Toxicity to microorganisms and other aquatic plants / organisms

Assessment / Classification:

12.2 Persistence and degradability
Biodegradation:

Abiotic Degradation:

Assessment / Classification:

12.3 Bioaccumulative potential
Bioconcentration factor (BCF):

12.4 Mobility in soil
12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
<th>UN No.</th>
<th>UN Proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Hazard label(s)</th>
<th>Packing group</th>
</tr>
</thead>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
- Classification code ADR:
- Limited quantities for ADR/RID:
- Packing Instructions for ADR/RID:
- Mixed packing provisions:
- Portable tanks and bulk containers Instructions:
- Portable tanks and bulk containers Special Provisions:
- ADR Tank Code:
- Vehicle for tank carriage:
- Special provisions for carriage Packages:
- Special provisions for carriage Bulk:
- Special provisions for carriage for loading, unloading and handling:
- Special Provisions for carriage Operation:
- Hazard identification No.:
- Transport category (Tunnel restriction code):

Sea transport (IMDG)
- Marine Pollutant:
- Packing provisions for IMDG:
- Packing instructions for IMDG:
- IBC Provisions:
- UN tank instructions:
- EmS:
- Properties and observations:

Inland waterway transport (ADN)
- Classification Code ADN:
- Limited quantities ADN:
Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use: 7664-93-9 / 231-639-5
SVHC:

- Other EU regulations:

- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out

Section 16: Other information

16.1 Indication of changes
Date of the previous version: 03/10/2019
Modifications:

16.2 Other information

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).
### 16.4 Relevant R-, H- and EUH-phrases (number and full text):

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
</tbody>
</table>
Section 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Designation / Commercial name : SUBS-TMB SUBS TMB

CAS No.: Index No: EC No: REACH No:

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic ;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:

Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:

France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2 : Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Product identifier:
Designation / Commercial name : SUBS-TMB SUBS TMB

Substances contained in this product:
Signal word:

Hazard and precautionary statements:

2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3 : Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients:


Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4 : First aid measures

4.1 Description of first aid measures

General information: Do not leave affected person unattended.; Remove affected person from the danger area and lay down.;
Following inhalation: In case of respiratory tract irritation, consult a physician.; Provide fresh air.;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap.; Remove contaminated clothing;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.;
Following ingestion: Do NOT induce vomiting.; Give nothing to eat or drink.; If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms to date.;
Effects:

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor:

Section 5 : Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire;

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: /

5.3 Advice for fire-fighters

Wear Protective clothing.;
Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation. ; Emergency procedures: Remove persons to safety. ; Personal precautions: Use personal protection equipment (see section 8). ;

6.2 Environmental precautions
Do not allow to enter into surface water or drains. ; Ensure waste is collected and contained. ;

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic ; Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures: Advice on safe handling: Avoid contact with skin, eyes and clothes. ; Avoid: Eye contact ; Avoid: Generation/formation of aerosols ; Avoid: Skin contact ; Avoid: Inhalation ; In the immediate working surroundings there must be: Emergency shower installed ; In the immediate working surroundings there must be: Provide eye shower and label its location conspicuously ; Wash contaminated clothing immediately. ; Wash hands before breaks and after work. ;
Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled. ; Do not pipet by mouth ; Wear suitable one-way gloves at work ;
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice ; Observe technical data sheet. ; Remove contaminated, saturated clothing. ; Wash hands before breaks and after work. ;

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France
- Spain
- Germany
- Italia
- Greece
- UK
- OSHA (USA)

8.1.2 Biological limit values (Germany):

8.1.3 Exposure limits at intended use (Germany):

8.1.4 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer

DNEL remark:

- PNEC
Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)

Designation / Commercial name: SUBS-TMB SUBS TMB
Version: UK, Page 6 of 11, Revision date: 15/07/2020

PNEC remark:
Control parameters remark:

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves; Laboratory coats;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>Colorless</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour threshold (ppm)</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point/boiling range (°C)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Flash point (°C)</td>
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<td></td>
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<td></td>
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<tr>
<td>Evaporation rate (kg/m²/h)</td>
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<tr>
<td>Flammability (type : ) (%)</td>
<td></td>
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<td></td>
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<tr>
<td>Upper/lower flammability or explosive limits</td>
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<tr>
<td>Upper explosive limit (%)</td>
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<tr>
<td>Lower explosive limit (%)</td>
<td></td>
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<tr>
<td>Flash point (°C)</td>
<td></td>
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<tr>
<td>Vapour pressure (kPa)</td>
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<td></td>
<td></td>
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<tr>
<td>Vapour density (g/cm³)</td>
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</tr>
<tr>
<td>Densities</td>
<td>Density (g/cm³)</td>
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<tr>
<td>Relative density (g/cm³)</td>
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<tr>
<td>Bulk density (g/cm³)</td>
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<tr>
<td>Critical density (g/cm³)</td>
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<tr>
<td>Solubility (Type : ) (g/L)</td>
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<tr>
<td>Partition coefficient (log Pow)</td>
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<tr>
<td>n-octanol/water at pH</td>
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<tr>
<td>Auto-ignition temperature (°C)</td>
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<td></td>
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<tr>
<td>Decomposition temperature (°C)</td>
<td></td>
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<td></td>
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<tr>
<td>Decomposition energy : kJ</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>Viscosity, dynamic (poiseuille)</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity, cinematic (cm²/s)</td>
<td></td>
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<tr>
<td>Oxidising properties</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

9.2 Other information:
No other relevant data available
Section 10: Stability and reactivity

10.1 Reactivity  This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

Thermal decomposition can lead to the escape of irritating gases and vapors.

Section 11: Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:

Acute dermal toxicity:

Acute inhalative toxicity:

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - Germ cell mutagenicity:

Animal data:
Assessment / Classification:

- Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- **Specific target organ toxicity (single exposure)**
  - STOT SE 1 and 2

Animal data:

Other information:

- STOT SE 3

Practical experience / human evidence:

Other information:
Assessment / Classification:

- **Specific target organ toxicity (repeated exposure)**

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- **Aspiration hazard**

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself

Section 12: Ecological information
In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method); in this case the toxicological data of the ingredients are shown.

12.1 Aquatic toxicity:
Acute (short-term) fish toxicity
Chronic (long-term) fish toxicity
Acute (short-term) toxicity to crustacea
Chronic (long-term) toxicity to crustacea
Acute (short-term) toxicity to algae and cyanobacteria
Toxicity to microorganisms and other aquatic plants / organisms

Assessment / Classification:

12.2 Persistence and degradability
Biodegradation:
Abiotic Degradation:
Assessment / Classification:

12.3 Bioaccumulative potential
Bioconcentration factor (BCF):

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
Classification code ADR: Special Provisions for ADR/RID:
Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:
Mixed packing provisions:
Portable tanks and bulk containers Instructions:
Portable tanks and bulk containers Special Provisions:
ADR Tank Code: ADR Tank special provisions:
Vehicle for tank carriage:
Special provisions for carriage Packages:
Special provisions for carriage Bulk:
Special provisions for carriage for loading, unloading and handling:
Special Provisions for carriage Operation:
Hazard identification No: Transport category (Tunnel restriction code):

Sea transport (IMDG)
Marine Pollutant: Subsidiary risk(s) for IMDG:
Packing provisions for IMDG: Limited quantities for IMDG:
Packing instructions for IMDG: IBC Instructions:
IBC Provisions: IMO tank instructions:
UN tank instructions: Tanks and bulk Provisions:
EmS: Stowage and segregation for IMDG:
Properties and observations:

Inland waterway transport (ADN)
Classification Code ADN: Special Provisions ADN:
Limited quantities ADN: Excepted quantities ADN:
Carriage permitted: Equipment required:
Provisions concerning loading and unloading: Provisions concerning carriage:
Number of blue cones/lights: Remark:

Air transport (ICAO-TI / IATA-DGR)
Subsidiary risk for IATA: Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use:
SVHC:

- Other EU regulations:

- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out

Section 16: Other information

16.1 Indication of changes
Date of the previous version: 03/10/2019
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: TWEEN-1-3-EL-1FLA TWEEN-1-3
CAS No.: Index No.: EC No.: REACH No.: 

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

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France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

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(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Product identifier:
Designation / Commercial name: TWEEN-1-3-EL-1FLA TWEEN-1-3

Substances contained in this product:
2.3 Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annex XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients:


Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures
General information: Do not leave affected person unattended. ; Remove affected person from the danger area and lay down. ;
Following inhalation: In case of respiratory tract irritation, consult a physician. ; Provide fresh air. ;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap. ; Remove contaminated clothing ;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ;
Following ingestion: Do NOT induce vomiting. ; Give nothing to eat or drink. ; If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. ;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms to date. ;
Effects:

4.3 Indication of any immediate medical attention and special treatment needed
Notes for the doctor:

Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire ;

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products: /

5.3 Advice for fire-fighters
Wear Protective clothing. ;
Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation. ; Emergency procedures: Remove persons to safety. ; Personal precautions: Use personal protection equipment (see section 8). ;

6.2 Environmental precautions
Do not allow to enter into surface water or drains. ; Ensure waste is collected and contained. ;

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic ; Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes. ; Avoid: Eye contact ; Avoid: Generation/formation of aerosols ; Avoid: Skin contact ; Avoid: inhalation ; In the immediate working surroundings there must be: Emergency shower installed ; In the immediate working surroundings there must be: Provide eye shower and label its location conspicuously ; Wash contaminated clothing immediately. ; Wash hands before breaks and after work. ; Fire prevented:
Do not eat, drink or smoke in areas where reagents are handled. ; Do not pipet by mouth ; Wear suitable one-way gloves at work ;
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice ; Observe technical data sheet. ; Remove contaminated, saturated clothing. ; Wash hands before breaks and after work. ;

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions: Requirements for storage rooms and vessels: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;
Hints on storage assembly: Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France
- Spain
- Germany
- Italia
- Greece
- UK
- OSHA (USA)

8.1.2 Biological limit values (Germany):

8.1.3 Exposure limits at intended use (Germany):

8.1.4 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer

DNEL remark:

- PNEC
**PNEC remark:**

Control parameters remark:

**8.2 Exposure controls**

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:
*Eye / Face protection:* Safety glasses with side-shields;
*Skin protection:* Gloves; Laboratory coats;
*Respiratory protection:* Ensure adequate ventilation;
*Thermal hazards:*

8.2.3 Environmental exposure controls:

---

**Section 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

**Appearance**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odour</td>
<td></td>
</tr>
<tr>
<td>Odour threshold (ppm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td></td>
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<tr>
<td>Melting point (°C)</td>
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<tr>
<td>Freezing point (°C)</td>
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<tr>
<td>Initial boiling point/boiling range (°C)</td>
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<td>Flash point (°C)</td>
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<td>Evaporation rate (kg/m²/h)</td>
<td>Upper explosive limit (%)</td>
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<td>Flammability (type : ) (%)</td>
<td>Upper explosive limit (%)</td>
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<td>Flammability (type : ) (%)</td>
<td>Lower explosive limit (%)</td>
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<td>Vapour pressure (kPa)</td>
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<td>Vapour density (g/cm³)</td>
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<td>Bulk density (g/cm³)</td>
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<td>Viscosity</td>
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</tbody>
</table>

9.2 Other information:

No other relevant data available
Section 10 : Stability and reactivity

10.1 Reactivity  This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapors.

Section 11 : Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:

Acute dermal toxicity:

Acute inhalative toxicity:
Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity:

Animal data:
Assessment / Classification:
  - Carcinogenicity

Practical experience / human evidence:
Animal data:
Other information:
Assessment / Classification:
  - Reproductive toxicity

Practical experience / human evidence:
Animal data:
Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
  - STOT SE 1 and 2

Animal data:
Other information:
  - STOT SE 3

Practical experience / human evidence:
Other information:
Assessment / Classification:

- Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:
Assessment / Classification:
Other information

- Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself

**Section 12 : Ecological information**

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method); in this case the toxicological data of the ingredients are shown.

12.1 **Aquatic toxicity:**

Acute (short-term) fish toxicity
Chronic (long-term) fish toxicity
Acute (short-term) toxicity to crustacea
Chronic (long-term) toxicity to crustacea
Acute (short-term) toxicity to algae and cyanobacteria
Toxicity to microorganisms and other aquatic plants / organisms

Assessment / Classification:

12.2 **Persistence and degradability**

Biodegradation:
Abiotic Degradation:

Assessment / Classification:

12.3 **Bioaccumulative potential**

Bioconcentration factor (BCF):

12.4 **Mobility in soil**

12.5 **Results of PBT and vPvB assessment**

12.6 **Other adverse effects:**

Additional ecotoxicological information:
Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14 : Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
</tr>
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<tbody>
<tr>
<td>UN No.</td>
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<tr>
<td>UN Proper shipping name</td>
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<td>Transport hazard class(es)</td>
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<tr>
<td>Hazard label(s)</td>
</tr>
<tr>
<td>Packing group</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
Classification code ADR: Special Provisions for ADR/RID:
Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:
Mixed packing provisions:
Portable tanks and bulk containers Instructions:
Portable tanks and bulk containers Special Provisions:
ADR Tank Code: ADR Tank special provisions:
Vehicle for tank carriage:
Special provisions for carriage Packages:
Special provisions for carriage Bulk:
Special provisions for carriage for loading, unloading and handling:
Special Provisions for carriage Operation:

Sea transport (IMDG)
Marine Pollutant: Subsidiary risk(s) for IMDG:
Packing provisions for IMDG: Limited quantities for IMDG:
Packing instructions for IMDG: IBC Instructions:
IBC Provisions: IMO tank instructions:
UN tank instructions: Tanks and bulk Provisions:

Properties and observations:

Inland waterway transport (ADN)
Classification Code ADN: Special Provisions ADN:
Limited quantities ADN: Excepted quantities ADN:
Carriage permitted: Equipment required:
Provisions concerning loading and unloading: Provisions concerning carriage:
Number of blue cones/lights: Remark:

Air transport (ICAO-TI / IATA-DGR)
Subsidiary risk for IATA: Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations
- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use:
SVHC:
- Other EU regulations:
- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:
For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes
Date of the previous version: 07/09/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:
See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):
Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Designation / Commercial name: CAL0-DIL-CGA-ELISA DIL/CAL0 CGA
CAS No.: Index No.: EC No.: REACH No.: 

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Use of the substance or mixture for Research Use Only excepted products labelled In Vitro Diagnostic;
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone: +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:
France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d’appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Product identifier:
Designation / Commercial name: CAL0-DIL-CGA-ELISA DIL/CAL0 CGA

Substances contained in this product:
Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards
The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annex XIII of the REACH regulations EC 1907/2006.

Adverse human health effects and symptoms:
Section 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients:


Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures
General information: Do not leave affected person unattended. ; Remove affected person from the danger area and lay down. ;
Following inhalation: In case of respiratory tract irritation, consult a physician. ; Provide fresh air. ;
Following skin contact: After contact with skin, wash immediately with plenty of water and soap. ; Remove contaminated clothing ;
Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ;
Following ingestion: Do NOT induce vomiting. ; Give nothing to eat or drink. ; If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. ;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms to date. ;
Effects:

4.3 Indication of any immediate medical attention and special treatment needed
Notes for the doctor:

Section 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire ;

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products: /

5.3 Advice for fire-fighters
Wear Protective clothing. ;
Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Emergency procedures: Provide adequate ventilation.; Emergency procedures: Remove persons to safety.; Personal precautions: Use personal protection equipment (see section 8);

6.2 Environmental precautions
Do not allow to enter into surface water or drains.; Ensure waste is collected and contained.;

6.3 Methods and material for containment and cleaning up
For cleaning up: Suitable material for taking up: Absorbing material, organic;
Other information:

6.4 Reference to other sections
Additional information:

Section 7: Handling and storage

7.1 Precautions for safe handling
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes.; Avoid: Eye contact.; Avoid: Generation/formation of aerosols.; Avoid: Skin contact.; Avoid: Inhalation.; In the immediate working surroundings there must be: Emergency shower installed.; In the immediate working surroundings there must be: Provide eye shower and label its location conspicuously.; Wash contaminated clothing immediately.; Wash hands before breaks and after work.;
Fire preventions:
Do not eat, drink or smoke in areas where reagents are handled.; Do not pipet by mouth.; Wear suitable one-way gloves at work;
Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice.; Observe technical data sheet.; Remove contaminated, saturated clothing.; Wash hands before breaks and after work.;

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Requirements for storage rooms and vessels: Keep container tightly closed.; Keep-store only in original container or in properly labeled containers;
Hints on storage assembly: Materials to avoid;
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses:
Section 8 : Exposure controls/personal protection

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

- France
- Spain
- Germany
- Italia
- Greece
- UK
- OSHA (USA)

8.1.2 Biological limit values (Germany):

8.1.3 Exposure limits at intended use (Germany):

8.1.4 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer

DNEL remark:

- PNEC
8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields ;
Skin protection: Gloves ; Laboratory coats ;
Respiratory protection: Ensure adequate ventilation ;
Thermal hazards:

8.2.3 Environmental exposure controls:

Section 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Concentration mol/L</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
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<td>Evaporation rate (kg/m²/h)</td>
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<td>Relative density [g/cm³]</td>
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<td>Bulk density [g/cm³]</td>
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No other relevant data available
Section 10: Stability and reactivity

10.1 Reactivity This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapors.

Section 11: Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- **Acute toxicity**

Animal data:
Acute oral toxicity:

Acute dermal toxicity:

Acute inhalative toxicity:

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- **Skin corrosion/irritation**

Animal data:

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- **Eye damage/irritation**

Animal data:

In vitro eye test method:
In vitro eye test result:
Assessment / Classification:

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - Germ cell mutagenicity:

Animal data:

Assessment / Classification:

- Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

- Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:

- **Specific target organ toxicity (single exposure)**
  - STOT SE 1 and 2

Animal data:

Other information:

- STOT SE 3

Practical experience / human evidence:

Other information:
Assessment / Classification:

- **Specific target organ toxicity (repeated exposure)**

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information

- **Aspiration hazard**

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixture
No toxicological information is available for the mixture itself

Section 12: Ecological information
In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method); in this case the toxicological data of the ingredients are shown.

12.1 Aquatic toxicity:
Acute (short-term) fish toxicity
Chronic (long-term) fish toxicity
Acute (short-term) toxicity to crustacea
Chronic (long-term) toxicity to crustacea
Acute (short-term) toxicity to algae and cyanobacteria
Toxicity to microorganisms and other aquatic plants / organisms

Assessment / Classification:

12.2 Persistence and degradability
Biodegradation:
Abiotic Degradation:

Assessment / Classification:

12.3 Bioaccumulative potential
Bioconcentration factor (BCF):

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:
Section 13 : Disposal considerations

13.1 Waste treatment methods

Waste treatment options: Dispose of waste according to applicable legislation.

Section 14 : Transport information

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Land transport (ADR/RID)
Classification code ADR: Special Provisions for ADR/RID:
Limited quantities for ADR/RID: Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:
Mixed packing provisions:
Portable tanks and bulk containers Instructions:
Portable tanks and bulk containers Special Provisions:
ADR Tank Code: ADR Tank special provisions:
Vehicle for tank carriage:
Special provisions for carriage Packages:
Special provisions for carriage Bulk:
Special provisions for carriage for loading, unloading and handling:
Special Provisions for carriage Operation:
Hazard identification No: Transport category (Tunnel restriction code):

Sea transport (IMDG)
Marine Pollutant: Subsidiary risk(s) for IMDG:
Packing provisions for IMDG: Limited quantities for IMDG:
Packing instructions for IMDG: IBC instructions:
IBC Provisions: IMO tank instructions:
UN tank instructions: Tanks and bulk Provisions:
EmS : Stowage and segregation for IMDG:
Properties and observations:

Inland waterway transport (ADN)
Classification Code ADN: Special Provisions ADN:
Limited quantities ADN: Excepted quantities ADN:
Carriage permitted: Equipment required:
Provisions concerning loading and unloading: Provisions concerning carriage:
Number of blue cones/lights: Remark:

Air transport (ICAO-TI / IATA-DGR)
Subsidiary risk for IATA: Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quantities Packing Instructions:
Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:
Section 15 : Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Authorisations and/or restrictions on use:

Authorisations:
Restrictions on use:
SVHC :

- Other EU regulations:

- Directive 2010/75/EC on industrial emissions

Not relevant

National regulations

15.2 Chemical Safety Assessment:

For this mixture, no chemical safety assessment has been carried out

Section 16 : Other information

16.1 Indication of changes

Date of the previous version: 17/09/2020
Modifications:

16.2 Other informations

16.3 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text):