

Trade name: N Terminal Procollagen 3 Peptide / P3NP-ELISA

Version: KIT, Page 1 of 1, Revision date: 07/09/2023

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

Description	Component	Nb of vials	рН	Color	Physical state
TWEEN 20	TWEEN-1-3	1	-	Colorless	Liquid
STOP SOLN	STOP SOL	1	-	Colorless	Liquid
SUBS TMB	SUBS TMB	1	-	Colorless	Liquid
CONJ-P3NP-ELISA	CONJ-P3NP	1	-	Colorless	Liquid
MICROPLATE-P3NP-ELISA		1	-	Colorless	Solid
DIL CALO-P3NP-ELISA	DIL CALO-P3NP	1	7	Orange	Liquid
CAL1-P3NP-ELISA		1	-	Orange	Solid
CAL2-P3NP-ELISA		1	-	Orange	Solid
CAL3-P3NP-ELISA		1	-	Orange	Solid
CAL4-P3NP-ELISA		1	-	Orange	Solid
CAL5-P3NP-ELISA		1	-	Orange	Solid
CONT1-P3NP-ELISA	CONT1-P3NP	1	-	White	Solid
CONT2-P3NP-ELISA	CONT2-P3NP	1	-	White	Solid
BLISTER-3-WASH		4	-	White	Solid





Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

## 1.1 Product identifier:

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

## 2.2 Label elements

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

#### Product identifier:

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP

Substances contained in this product:



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**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:



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Hazardous ingredients:

This mixture does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### 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).;



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#### 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

<u>Technical measures and storage conditions:</u>

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



ccording to Regulation (EC) No 1907/2006 (REACH)
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• Spain
• Germany
• Italia
• Greece
• UK
OSHA (USA)
.1.2 <u>Biological limit values (Germany):</u>
1.3 Exposure limits at intended use (Germany):
1.4 DNEL/PNEC-values:  • DNEL worker
• DNEL consumer
NEL remark:  • PNEC
NEC remark: ontrol parameters remark:

# 8.2 Exposure controls

8.2.1 <u>Appropriate engineering controls:</u>



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## 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves; Laboratory coats;

**Respiratory protection**: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Liquid ;
Colour	Colorless;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C)								
Freezing point (°C	<u>:)</u>							
Initial boiling poin	nt/boiling r	range (°C)						
Flash point (°C)								
Evaporation rate (	(kg/m²/h)							
Flammability (type	e:)(%)							
Upper/lowe flammability or ex limits		Upper explosive limit (%)						
		Lower explosive limit (%)						
Vapour pressure (kPa)								
Vapour density (g/cm³)								
		Density (g/cm³)						
Densities		Relative density (g/cm³)						
		Bulk density (g/cm³)			_			
Critical density (g/cm³) Solubility (Type: ) (g/L)								
Partition coefficie n-octanol/water a		w)						
Auto-ignition tem	perature (	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm³/s)							
Oxidising properti								
Explosive properti	ies							

## 9.2 Other information:

No other relevant data available



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## **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:



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

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - o 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)
  - o STOT SE 1 and 2

Animal data:

Other information:

o 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



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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:



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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**

#### ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

### 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: 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:



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#### 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:

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:06/09/2023 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):





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Designation / Commercial name: CONT1-P3NP-ELISA CONT1-P3NP

Version: UK, Page 1 of 12, Revision date: 24/10/2023

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

## 1.1 Product identifier:

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

## 2.2 Label elements

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

#### Product identifier:

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP

Substances contained in this product:



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**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:



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Hazardous ingredients:

This mixture does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### 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).;



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#### 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

<u>Technical measures and storage conditions:</u>

<u>Requirements for storage rooms and vessels</u>: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



accordi	according to Regulation (EC) No 1907/2006 (REACH)					
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	. OK, Fage 3 of 12, Nevision date. 24/10/2023					
•	Spain					
•	Germany					
•	Italia					
	Crane					
•	Greece					
•	UK					
•	OSHA (USA)					
•	USHA (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	spacely.					
DNEL re	PNEC					
PNEC re	emark:					
Control	parameters remark:					

# 8.2 Exposure controls

8.2.1 <u>Appropriate engineering controls:</u>



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## 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves; Laboratory coats;

**Respiratory protection**: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	White;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C)								
Freezing point (°C	<u>:)</u>							
Initial boiling poin	nt/boiling r	range (°C)						
Flash point (°C)								
Evaporation rate (	(kg/m²/h)							
Flammability (type	e:)(%)							
Upper/lowe flammability or ex limits		Upper explosive limit (%)						
		Lower explosive limit (%)						
Vapour pressure (kPa)								
Vapour density (g/cm³)								
		Density (g/cm³)						
Densities		Relative density (g/cm³)						
		Bulk density (g/cm³)			_			
Critical density (g/cm³) Solubility (Type: ) (g/L)								
Partition coefficie n-octanol/water a		w)						
Auto-ignition tem	perature (	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm³/s)							
Oxidising properti								
Explosive properti	ies							

## 9.2 Other information:

No other relevant data available



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#### **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:



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

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - o 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)
  - o STOT SE 1 and 2

Animal data:

Other information:

o 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



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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:



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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**

## ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

### 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: 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:



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#### 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:

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:06/09/2023 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):





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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

## 1.1 Product identifier:

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

## 2.2 Label elements

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

#### Product identifier:

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP

Substances contained in this product:



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**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:



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Hazardous ingredients:

This mixture does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### 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).;



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#### 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

<u>Technical measures and storage conditions:</u>

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



according to Regulation (EC) No 1907/2006 (REACH)					
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	. OK, Fage 3 of 12, Nevision date. 24/10/2023				
•	Spain				
•	Germany				
•	Italia				
	Greece				
•	Greece				
•	UK				
•	OSHA (USA)				
•	USHA (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 re	amark.				
• DNEL TE	PNEC				
PNEC re					
Control parameters remark:					

# 8.2 Exposure controls

8.2.1 <u>Appropriate engineering controls:</u>



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## 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves; Laboratory coats;

**Respiratory protection**: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	White;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C)								
Freezing point (°C)								
Initial boiling point/boiling range (°C)								
Flash point (°C)								
Evaporation rate (kg/m²/h)								
Flammability (type : ) (%)								
Upper/low flammability or e		Upper explosive limit (%)						
limits		Lower explosive limit (%)						
Vapour pressure (kPa)								
Vapour density (g/cm³)								
		Density (g/cm³)						
Densities		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 tem	perature (	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
	,	Viscosity, cinematic (cm³/s)						
Oxidising properties								
Explosive properti	Explosive properties							

## 9.2 Other information:

No other relevant data available



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#### **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:



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

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - o 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)
  - o STOT SE 1 and 2

Animal data:

Other information:

o 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



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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:



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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**

#### ADR/RID/AND/IMDG/IATA

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

### 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: 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:



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#### 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:

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:06/09/2023 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):





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Designation / Commercial name: DIL CALO-P3NP-ELISA DIL CALO-P3NP

Version: UK, Page 1 of 15, Revision date: 07/09/2023

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

**Designation / Commercial name : DIL CALO-P3NP-ELISA DIL CALO-P3NP**CAS 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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
			P261 P272
		H317	P280
Respiratory/skin sensitization - Skin Sens. 1A - H317	Skin Sens. 1A		P302 + P352
Respiratory/skin sensitization - skin sens. 1A - 11317	SKIII SEIIS. IA		P321
			P333 + P313
			P362 + P364
			P501

#### 2.2 Label elements

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

Product identifier:

Designation / Commercial name : DIL CALO-P3NP-ELISA DIL CALO-P3NP



Designation / Commercial name : DIL CALO-P3NP-ELISA DIL CALO-P3NP

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### Substances contained in this product:

ĺ	Substance name	CAS n°	Index n°	EC n°
	5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)	55965-84-9	613-167-00-5	247-500-7

### **Hazard pictograms**

GHS07-exclam



## Signal word:

Warning

Hazard and precautionary statements:

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

### 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:



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

**Hazardous ingredients:** 

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sodium chloride	7647-14-5		231-598-3				
Disodium phosphate	10028-24-7						
potassium dihydrogenorthophosphate	7778-77-0		231-913-4				
5-chloro-2-méthyl-4- isothiazolin-3-one and 2- méthyl-4-isothiazolin-3- one (3:1)	55965-84-9	613-167-00-5	247-500-7	Acute toxicity - Acute Tox. 2 - H310 - Dermal Acute toxicity - Acute Tox. 2 - H330 - Inhalation Acute toxicity - Acute Tox. 3 - H301 - Oral Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1A - H317 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Corr. 1C - H314		Skin Corr. 1C : C ≥ ,6 % Skin Irrit. 2 H315: ,06 % ≤ C < ,6 % Eye Dam. 1 : C ≥ ,6 % Eye Irrit. 2 H319: ,06 % ≤ C < ,6 % Skin Sens. 1A : C ≥ ,0015 %	100

#### **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

 $\label{eq:continuous} \mbox{Symptoms:No known symptoms to date.} \ ;$ 

Effects:

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

Notes for the doctor:



Designation / Commercial name: DIL CALO-P3NP-ELISA DIL CALO-P3NP

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#### **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:



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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

Preliminary remark:

## 8.1.1 <u>Occupational exposure limits:</u>

France

Source :	Informations rela	nformations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	EC-No.         CAS-No         VLE (mg/m3)         VLE (ppm)         VME (mg/m3)         VME (ppm)								
7647-14-5 / 231- 598-3	231-598-3	7647-14-5								
7778-77-0 / 231- 913-4	231-913-4	7778-77-0								

### Spain

		Limites de Exposicion Profesional para Agentes Quimicos en Espana nstituto Nacional de Seguridad e Higiene en el Trabajo lune 2015										
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)						
7647-14-5 / 231- 598-3	231-598-3	7647-14-5										
7778-77-0 / 231- 913-4	231-913-4	7778-77-0										

## Germany

Source :	TRGS 900, June 2015, BAuA							
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)				
7647-14-5 / 231-598-3	231-598-3	7647-14-5						
7778-77-0 / 231-913-4	231-913-4	7778-77-0						

- Italia
- Greece



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UK

OSHA (USA)

Source :	Occupational Safe	sible Exposure Limits (PEL	S) from 29 CFR 1910.10	00		
Substance			OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)
7647-14-5 / 231-598- 3		7647-14-5				
7778-77-0 / 231-913- 4	231-913-4	7778-77-0				

## 8.1.2 <u>Biological limit values (Germany):</u>

Source :	st of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014								
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)					
7647-14-5 / 231-598-3	231-598-3	7647-14-5							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

# 8.1.3 <u>Exposure limits at intended use (Germany):</u>

Source :	ource : TRGS 903, November 2015, BAuA							
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)				
7647-14-5 / 231-598-3	231-598-3	7647-14-5						
7778-77-0 / 231-913-4	231-913-4	7778-77-0						

## 8.1.4 <u>DNEL/PNEC-values:</u>

DNEL worker

Source :	GESTIS – su	STIS – substance database											
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	cyctemic ettects	Acute – inhalation, local effects (mg/m3)	systemic ettects	Long-term – inhalation, local effects (mg/m3)	cyctemic ettects				
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62- 2068.62						
7778-77-0 / 231-913-4	231-913-4	7778-77-0					4.07-4.07						

DNEL consumer



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Source :	GESTIS – si	STIS – substance database										
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	dermal, local	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	systemic effects			
7647-14-5 / 231-598-3	231-598-3	7647-14-5										
7778-77-0 / 231-913-4	231-913-4	7778-77-0										

DNEL remark:

PNEC

Source :	INERIS																
				PNEC AQUATIC								PNEC Sediment					
Substance	EC-No.	CAS-No		freshwate	r	m	arine wat	er	inter	mittent re	lease	fı	freshwater		marine water		er
Substance	dostance EC-NO. CAS		(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7647-14-5 / 231-598- 3	231-598-3	7647-14-5															
7778-77-0 / 231-913- 4	231-913-4	7778-77-0															

Source :	INERIS	INERIS												
			Others											
Substance	EC-No.	CAS-No		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)
7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

PNEC remark:

Control parameters remark:

## 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

## 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

**Respiratory protection**: Ensure adequate ventilation;

Thermal hazards:



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## 8.2.3 <u>Environmental exposure controls:</u>

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Liquid;
Colour	Orange;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН			7,4					
Melting point (°C	C)							
Freezing point (°C	C)							
Initial boiling poir	nt/boiling	range (°C)						
Flash point (°C)								
Evaporation rate (kg/m²/h)								
Flammability (typ	Flammability (type : ) (%)							
flammability or e	Upper/lower mmability or explosive limits Upper explosive limit (%)							
		Lower explosive limit (%)						
	Vapour pressure (kPa)							
Vapour density (g/cm³)								
		Density (g/cm³)						
Densities	S	Relative density (g/cm³)						
		Bulk density (g/cm³)						
		Critical density (g/cm³)						
Solubility (Type :	) (g/L)							
Partition coefficient n-octanol/water		w)						
Auto-ignition tem	nperature	(°C)						
Decomposition temperature (°C) Decomposition energy: kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
		Viscosity, cinematic (cm³/s)						
	xidising properties							
Explosive propert	ties							

## 9.2 Other information:

No other relevant data available



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## **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

#### <u>Substances</u>

### Acute toxicity

## Animal data:

Acute oral toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Symptoms / delayed effects	Remark
55965-84-9 / 247-500-7					

### Acute dermal toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Remark
55965-84-9 / 247-500-7				

### Acute inhalative toxicity:

S	Substance name	C(E)L50 (mg/L)	Exposure time	Species	Method	Remark
55965-	84-9 / 247-500-7					

Practical experience / human evidence:

Assessment / Classification:

General Remark:

## • Skin corrosion/irritation



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#### Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

• Eye damage/irritation

## Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

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

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:



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Other information:

o 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

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012												
Substance	EC-No.	CAS-No	LC50 (mg/L)	EC50 (mg/L)	Test duration	Species	Result/ Evaluation	Method	Remark	General Remark			
55965-84-9 / 247-500-7	247-500-7	55965-84- 9											

## Chronic (long-term) fish toxicity

Source :	Informations r	nformations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No.	EC-No. CAS-No NOEC (mg/L) Test duration Species Method Remark General Remark										
55965-84-9 / 247-500-7	247-500-7	55965-84-9										



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

Source :	Informations	formations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No.	C-No. CAS-No EC50 (mg/L) Test duration Species Result/ Evaluation Method Remark General Remark											
55965-84-9 / 247-500-7	247-500-7	55965-84-9											

## Chronic (long-term) toxicity to crustacea

Source :	Informations r	ormations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	CAS-No	NOEC (mg/L)	Test duration	Species	Method	Remark	General Remark	
55965-84-9 / 247-500-7	247-500-7	55965-84-9							

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

Source :	Informations	ormations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	CAS-No	EC50 (mg/L)	Test duration	Species	Result/ Evaluation	Method	Remark	General Remark
55965-84-9 / 247-500-7	247-500-7	55965-84-9							

## Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations rela	nformations relatives à la réglementation VME (France) : ED 984, 07.2012						
Substance	EC-No.	CAS-No	EC50 (mg/L)	Species	Method	Remark	General Remark	
55965-84-9 / 247- 500-7	247-500-7	55965-84-9						

Assessment / Classification:

## 12.2 Persistence and degradability

## **Biodegradation:**

Source :	Informations r	formations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	CAS-No	Inoculum	Biodegradation parameter	Degradation rate (%)	Method	Remark		
55965-84-9 / 247-500-7	247-500-7	55965-84-9							

## Abiotic Degradation:

Source :								
Substance	EC-No.	CAS-No	Abiotic degradation test type	Half-life time (j)	Temperature (°C)	рН	Method	Remark
55965-84-9 / 247-500-7	247-500-7	55965-84-9						



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Assessment / Classification:

#### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

Source :						
Substance	EC-No.	CAS-No	Species	Result	Method	Remark
55965-84-9 / 247- 500-7	247-500-7	55965-84-9				

#### 12.4 Mobility in soil

Source :											
Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
55965-84-9 / 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**

## ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

### 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: Excepted Quantities for ADR/RID: Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:



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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



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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:06/09/2023 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):

Code	Hazard statments
H301	Toxic if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage.
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects





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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

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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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

## 2.2 Label elements

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

Product identifier:

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Substances contained in this product:



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**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:



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Hazardous ingredients:

This mixture does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### 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).;



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#### 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

<u>Technical measures and storage conditions:</u>

<u>Requirements for storage rooms and vessels</u>: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



according to Regulation (EC) No 1907/2006 (REACH)
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·
• Spain
• Germany
• Italia
• Greece
• UK
OSHA (USA)
8.1.2 <u>Biological limit values (Germany):</u>
8.1.3 Exposure limits at intended use (Germany):
8.1.4 <u>DNEL/PNEC-values:</u> • DNEL worker
• DNEL consumer
DNEL remark:  • PNEC
PNEC remark: Control parameters remark:

# 8.2 Exposure controls

8.2.1 <u>Appropriate engineering controls:</u>



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### 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves; Laboratory coats;

**Respiratory protection**: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	Colorless;
Odour	
Odour threshold (ppm)	

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН							
Melting point (°C)							
Freezing point (°C)							
Initial boiling point/boiling	g 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/cm <sup>3</sup> )							
	Density (g/cm³)						
Densities	Relative density (g/cm³)						
	Bulk density (g/cm³)						
Solubility (Type: ) (g/L)	Critical density (g/cm³)						
Partition coefficient (log n-octanol/water at pH :	Pow)						
Auto-ignition temperature (°C)							
Decomposition temperature (°C) Decomposition energy: kJ							
Viscosity	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm³/s)						
Oxidising properties		1					
Explosive properties							

## 9.2 Other information:

No other relevant data available



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### **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:



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

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - o 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)
  - o STOT SE 1 and 2

Animal data:

Other information:

o 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



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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:



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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**

## ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

### 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: 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:



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### 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:

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:06/09/2023 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):





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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

Designation / Commercial name : CAL1-P3NP-ELISA

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

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

#### 2.2 Label elements

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

Product identifier:

Designation / Commercial name : CAL1-P3NP-ELISA



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### Substances contained in this product:

Substance name	CAS n°	Index n°	EC n°
-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one 3:1)	55965-84-9	613-167-00-5	247-500-7

# Hazard pictograms

GHS07-exclam



## Signal word:

Warning

Hazard and precautionary statements:

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

### 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:



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### **Hazardous ingredients:**

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sodium chloride	7647-14-5		231-598-3		< 1%		
potassium dihydrogenorthophosphate	7778-77-0		231-913-4		< 1%		
5-chloro-2-méthyl-4- isothiazolin-3-one and 2- méthyl-4-isothiazolin-3- one (3:1)	55965-84-9	613-167-00-5	247-500-7	Acute toxicity - Acute Tox. 2 - H310 - Dermal Acute toxicity - Acute Tox. 2 - H330 - Inhalation Acute toxicity - Acute Tox. 3 - H301 - Oral Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1A - H317 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Corr. 1C - H314	< 0,06 %	Skin Corr. 1C : C ≥ ,6 % Skin Irrit. 2 H315: ,06 % ≤ C < ,6 % Eye Dam. 1 : C ≥ ,6 % Eye Irrit. 2 H319: ,06 % ≤ C < ,6 % Skin Sens. 1A : C ≥ ,0015 %	100

### 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:



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#### 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:



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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

Preliminary remark:

## 8.1.1 <u>Occupational exposure limits:</u>

France

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012						
Substance	EC-No.	No. CAS-No VLE (mg/m3) VLE (ppm) VME (mg/m3) VME (ppm)					
7647-14-5 / 231- 598-3	231-598-3	7647-14-5					
7778-77-0 / 231- 913-4	231-913-4	7778-77-0					

### Spain

Source :	Limites de Exposicion Profesional para Agentes Quimicos en Espana Instituto Nacional de Seguridad e Higiene en el Trabajo June 2015						
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)	
7647-14-5 / 231- 598-3	231-598-3	7647-14-5					
7778-77-0 / 231- 913-4	231-913-4	7778-77-0					

## Germany

Source :	TRGS 900, June 2015, BAuA					
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)		
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7778-77-0 / 231-913-4	231-913-4	7778-77-0				

- Italia
- Greece



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UK

OSHA (USA)

Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000					
Substance	EC-No.	CAS-No	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)
7647-14-5 / 231-598- 3		7647-14-5				
7778-77-0 / 231-913- 4	231-913-4	7778-77-0				

## 8.1.2 <u>Biological limit values (Germany):</u>

Source :	List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014					
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)		
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7778-77-0 / 231-913-4	231-913-4	7778-77-0				

## 8.1.3 <u>Exposure limits at intended use (Germany):</u>

Source :	TRGS 903, November 2015, BAuA					
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)		
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7778-77-0 / 231-913-4	231-913-4	7778-77-0				

## 8.1.4 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	ESTIS – substance database											
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	ettects   systemic ettects		Acute – inhalation, local effects (mg/m3)	customic attacts	Long-term – inhalation, local effects (mg/m3)	cyctomic attacts				
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62- 2068.62						
7778-77-0 / 231-913-4	231-913-4	7778-77-0					4.07-4.07						

DNEL consumer



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Source :	GESTIS – si	GESTIS – substance database												
Substance	EC-No. CAS-No I		Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	systemic effects					
7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

DNEL remark:

PNEC

Source :	INERIS																
Substance				PNEC AQUATIC								PNEC Sediment					
	EC-No.	CAS-No		freshwate	r	m	arine wat	er	inter	mittent re	lease	freshwater			marine water		
	Le No.	CAS NO	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7647-14-5 / 231-598- 3	231-598-3	7647-14-5															
7778-77-0 / 231-913- 4	231-913-4	7778-77-0															

Source :	INERIS													
		Others												
Substance	EC-No.	CAS-No		PNEC soil		PNEC s	sewage tre plant	atment		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)
7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

PNEC remark:

Control parameters remark:

## 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

## 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

 $\textbf{Respiratory protection} : \textbf{Ensure adequate ventilation} \; ; \\$ 

Thermal hazards:



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## 8.2.3 <u>Environmental exposure controls:</u>

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	Orange;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C)								
Freezing point (°C)								
Initial boiling point/boiling range (°C)								
Flash point (°C)								
Evaporation rate	(kg/m²/h)							
Flammability (typ	e:)(%)							
Upper/lower flammability or ex limits		Upper explosive limit (%)						
		Lower explosive limit (%)						
Vapour pressure (kPa)								
Vapour density (g	g/cm³)							
		Density (g/cm³)						
Densities		Relative density (g/cm³)						
		Bulk density (g/cm³)						
		Critical density (g/cm³)						
Solubility (Type :	) (g/L)							
Partition coefficient n-octanol/water		w)						
Auto-ignition tem	nperature	(°C)						
Decomposition temperature (°C) Decomposition energy: kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
	,	Viscosity, cinematic (cm <sup>3</sup> /s)						
Oxidising propert	ies							
Explosive propert	ties							

## 9.2 Other information:

No other relevant data available



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## **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

#### <u>Substances</u>

### Acute toxicity

### Animal data:

Acute oral toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Symptoms / delayed effects	Remark
55965-84-9 / 247-500-7					

## Acute dermal toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Remark
55965-84-9 / 247-500-7				

## Acute inhalative toxicity:

S	Substance name	C(E)L50 (mg/L)	Exposure time	Species	Method	Remark
55965-	84-9 / 247-500-7					

Practical experience / human evidence:

Assessment / Classification:

General Remark:

## • Skin corrosion/irritation



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#### Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

• Eye damage/irritation

## Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

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

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:



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Other information:

o 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

Source :	Information	formations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No.	CAS-No	LC50 (mg/L)	EC50 (mg/L)	Test duration	Species	Result/ Evaluation	Method	Remark	General Remark		
55965-84-9 / 247-500-7	247-500-7	55965-84- 9										

# Chronic (long-term) fish toxicity

Source :	Informations r	ormations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No.	EC-No. CAS-No NOEC (mg/L) Test duration Species Method Remark General Remark									
55965-84-9 / 247-500-7	247-500-7	55965-84-9									



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

Source :	Informations	ormations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No.	CAS-No   EC50   Test duration   Species   Result/   Evaluation   Method   Remark   General							General Remark			
55965-84-9 / 247-500-7	247-500-7	55965-84-9										

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

Source :	Informations r	formations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No.	lo. CAS-No NOEC (mg/L) Test duration Species Method Remark General Remark										
55965-84-9 / 247-500-7	247-500-7	55965-84-9										

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

Source :	Informations	formations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No.	C-No. CAS-No EC50 (mg/L) Test duration Species Result/ Evaluation Method Remark General Rema									
55965-84-9 / 247-500-7	247-500-7	55965-84-9									

# Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations rela	formations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No.	EC-No. CAS-No EC50 (mg/L) Species Method Remark General Remark									
55965-84-9 / 247- 500-7	247-500-7	17-500-7 55965-84-9									

Assessment / Classification:

## 12.2 Persistence and degradability

## **Biodegradation:**

Source :	Informations r	formations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No.	D. CAS-No Inoculum Biodegradation parameter Parameter Method Remark										
55965-84-9 / 247-500-7	247-500-7	55965-84-9										

# Abiotic Degradation:

Source :								
Substance	EC-No.	CAS-No	Abiotic degradation test type	Half-life time (j)	Temperature (°C)	рН	Method	Remark
55965-84-9 / 247-500-7	247-500-7	55965-84-9						



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Assessment / Classification:

#### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

Source :						
Substance	EC-No.	CAS-No	Species	Result	Method	Remark
55965-84-9 / 247- 500-7	247-500-7	55965-84-9				

#### 12.4 Mobility in soil

5	ource :											
	Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
	5965-84-9 247-500-7		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**

### ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

## 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: Excepted Quantities for ADR/RID: Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:



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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



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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:06/09/2023 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):

Code	Hazard statments					
H301	Toxic if swallowed					
H310	Fatal in contact with skin					
H314	Causes severe skin burns and eye damage.					
H317	May cause an allergic skin reaction					
H318	Causes serious eye damage.					
H330	Fatal if inhaled					
H400	Very toxic to aquatic life					
H410	Very toxic to aquatic life with long lasting effects					





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#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

Designation / Commercial name : CAL2-P3NP-ELISA

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
Respiratory/skin sensitization - Skin Sens. 1A - H317 Skin Se	Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364

#### 2.2 Label elements

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

Product identifier:

Designation / Commercial name : CAL2-P3NP-ELISA



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### Substances contained in this product:

Substance name	CAS n°	Index n°	EC n°
-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one 3:1)	55965-84-9	613-167-00-5	247-500-7

# **Hazard pictograms**

GHS07-exclam



# Signal word:

Warning

Hazard and precautionary statements:

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

#### 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:



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### **Hazardous ingredients:**

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sodium chloride	7647-14-5		231-598-3		< 1%		
potassium dihydrogenorthophosphate	7778-77-0		231-913-4		< 1%		
5-chloro-2-méthyl-4- isothiazolin-3-one and 2- méthyl-4-isothiazolin-3- one (3:1)	55965-84-9	613-167-00-5	247-500-7	Acute toxicity - Acute Tox. 2 - H310 - Dermal Acute toxicity - Acute Tox. 2 - H330 - Inhalation Acute toxicity - Acute Tox. 3 - H301 - Oral Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1A - H317 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Corr. 1C - H314	< 0,06 %	Skin Corr. 1C : C ≥ ,6 % Skin Irrit. 2 H315: ,06 % ≤ C < ,6 % Eye Dam. 1 : C ≥ ,6 % Eye Irrit. 2 H319: ,06 % ≤ C < ,6 % Skin Sens. 1A : C ≥ ,0015 %	100

### 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:



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#### **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:



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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

Preliminary remark:

# 8.1.1 <u>Occupational exposure limits:</u>

France

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	C-No. CAS-No VLE (mg/m3) VLE (ppm) VME (mg/m3) VME (ppm)							
7647-14-5 / 231- 598-3	231-598-3	7647-14-5							
7778-77-0 / 231- 913-4	231-913-4	7778-77-0							

### Spain

Source :	Limites de Exposicion Profesional para Agentes Quimicos en Espana Instituto Nacional de Seguridad e Higiene en el Trabajo June 2015							
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)		
7647-14-5 / 231- 598-3	231-598-3	7647-14-5						
7778-77-0 / 231- 913-4	231-913-4	7778-77-0						

## Germany

Source :				
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)
7647-14-5 / 231-598-3	231-598-3	7647-14-5		
7778-77-0 / 231-913-4	231-913-4	7778-77-0		

- Italia
- Greece



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UK

OSHA (USA)

Source :	Occupational Safe	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000										
Substance	EC-No.	CAS-No	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)						
7647-14-5 / 231-598- 3		7647-14-5										
7778-77-0 / 231-913- 4	231-913-4	7778-77-0										

## 8.1.2 <u>Biological limit values (Germany):</u>

Source :	List of recommended heal	th-based biological limit val	ues (BLVs) and biological guidance va	lues (BGVs), June 2014
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)
7647-14-5 / 231-598-3	231-598-3	7647-14-5		
7778-77-0 / 231-913-4	231-913-4	7778-77-0		

# 8.1.3 <u>Exposure limits at intended use (Germany):</u>

Source :	Source : TRGS 903, November 2015, BAuA								
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)					
7647-14-5 / 231-598-3	231-598-3	7647-14-5							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

# 8.1.4 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	bstance dat	abase						
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	cyctemic ettects	Acute – inhalation, local effects (mg/m3)	systemic ettects	Long-term – inhalation, local effects (mg/m3)	cyctemic ettects
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62- 2068.62		
7778-77-0 / 231-913-4	231-913-4	7778-77-0					4.07-4.07		

DNEL consumer



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Source :	GESTIS – si	ubstance da	tabase						
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	dermal, local	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	systemic effects
7647-14-5 / 231-598-3	231-598-3	7647-14-5							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

DNEL remark:

PNEC

Source :	INERIS																
				PNEC AQUATIC								PNEC Sediment					
Substance	EC-No.	CAS-No	freshwater		m	marine water		intermittent release		freshwater		marine water					
Substance	Le No.	CAS NO	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7647-14-5 / 231-598- 3	231-598-3	7647-14-5															
7778-77-0 / 231-913- 4	231-913-4	7778-77-0															

Source :	INERIS													
	EC-No.	No. CAS-No						Oth	ers					
Substance			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)
7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

PNEC remark:

Control parameters remark:

## 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

## 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

 $\textbf{Respiratory protection} : \textbf{Ensure adequate ventilation} \; ; \\$ 

Thermal hazards:



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# 8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	Orange;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C								
reezing point (°C)								
Initial boiling poir	nitial boiling point/boiling range (°C)							
Flash point (°C)								
Evaporation rate (kg/m²/h)								
Flammability (typ	Flammability (type : ) (%)							
	Upper/lower Upper explosive limit (%)							
		Lower explosive limit (%)						
Vapour pressure (kPa)								
Vapour density (g/cm³)								
Densities R		Density (g/cm³)						
		Relative density (g/cm³)						
		Bulk density (g/cm³)						
		Critical density (g/cm³)						
Solubility (Type :	) (g/L)							
Partition coefficient n-octanol/water		w)						
Auto-ignition tem	nperature (	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ								
Viscosity		iscosity, dynamic (poiseuille)						
	,	Viscosity, cinematic (cm³/s)						
	Oxidising properties							
Explosive propert	ties							

## 9.2 Other information:

No other relevant data available



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## **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

#### <u>Substances</u>

### Acute toxicity

### Animal data:

Acute oral toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Symptoms / delayed effects	Remark
55965-84-9 / 247-500-7					

## Acute dermal toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Remark
55965-84-9 / 247-500-7				

### Acute inhalative toxicity:

S	Substance name	C(E)L50 (mg/L)	Exposure time	Species	Method	Remark
55965-	84-9 / 247-500-7					

Practical experience / human evidence:

Assessment / Classification:

General Remark:

## • Skin corrosion/irritation



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#### Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

• Eye damage/irritation

## Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - $\circ \quad \text{Germ cell mutagenicity:} \\$

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:



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Other information:

o 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

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance EC-No. CAS-No CAS-No LC50 EC50 Test duration Species Result/ Evaluation Method Remark General R									General Remark		
55965-84-9 / 247-500-7	247-500-7	55965-84- 9									

# Chronic (long-term) fish toxicity

Source :	Informations r	nformations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No. CAS-No NOEC (mg/L) Test duration Species Method Remark General Remark										
55965-84-9 / 247-500-7	247-500-7	55965-84-9									



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

Source :	Informations	ormations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	Substance EC-No. CAS-No EC50 (mg/L) Test duration Species Result/ Evaluation Method Remark								General Remark			
55965-84-9 / 247-500-7	247-500-7	55965-84-9										

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

Source :	Informations r	formations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No.	EC-No. CAS-No NOEC (mg/L) Test duration Species Method Remark General Remark									
55965-84-9 / 247-500-7	247-500-7	55965-84-9									

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

Source :	Informations	Informations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No. CAS-No EC50 (mg/L) Test duration Species Result/ Evaluation Method Remark General Result/								General Remark			
55965-84-9 / 247-500-7	247-500-7	55965-84-9										

# Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No.	EC-No. CAS-No EC50 (mg/L) Species Method Remark General Remark								
55965-84-9 / 247- 500-7	247-500-7	55965-84-9								

Assessment / Classification:

## 12.2 Persistence and degradability

## **Biodegradation:**

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No.	CAS-No	Inoculum	Degradation rate (%)	Method	Remark				
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

# Abiotic Degradation:

Source :								
Substance	EC-No.	CAS-No	Abiotic degradation test type	Half-life time (j)	Temperature (°C)	рН	Method	Remark
55965-84-9 / 247-500-7	247-500-7	55965-84-9						



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Assessment / Classification:

#### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

Source :						
Substance	EC-No.	CAS-No	Species	Result	Method	Remark
55965-84-9 / 247- 500-7	247-500-7	55965-84-9				

#### 12.4 Mobility in soil

5	ource :											
	Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
	5965-84-9 247-500-7		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**

### ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

## 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: Excepted Quantities for ADR/RID: Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:



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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



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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:06/09/2023 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):

Code	Hazard statments				
H301	Toxic if swallowed				
H310	Fatal in contact with skin				
H314	Causes severe skin burns and eye damage.				
H317	May cause an allergic skin reaction				
H318	Causes serious eye damage.				
H330	Fatal if inhaled				
H400	Very toxic to aquatic life				
H410	Very toxic to aquatic life with long lasting effects				





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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

Designation / Commercial name : CAL3-P3NP-ELISA

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

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

#### 2.2 Label elements

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

Product identifier:

Designation / Commercial name : CAL3-P3NP-ELISA



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## Substances contained in this product:

Substance name	CAS n°	Index n°	EC n°
5-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one (3:1)	55965-84-9	613-167-00-5	247-500-7

### **Hazard pictograms** GHS07-exclam



# Signal word:

Warning

Hazard and precautionary statements:

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

#### 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:



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### **Hazardous ingredients:**

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sodium chloride	7647-14-5		231-598-3		< 1%		
potassium dihydrogenorthophosphate	7778-77-0		231-913-4		< 1%		
5-chloro-2-méthyl-4- isothiazolin-3-one and 2- méthyl-4-isothiazolin-3- one (3:1)	55965-84-9	613-167-00-5	247-500-7	Acute toxicity - Acute Tox. 2 - H310 - Dermal Acute toxicity - Acute Tox. 2 - H330 - Inhalation Acute toxicity - Acute Tox. 3 - H301 - Oral Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1A - H317 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Corr. 1C - H314	< 0,06 %	Skin Corr. 1C : C ≥ ,6 % Skin Irrit. 2 H315: ,06 % ≤ C < ,6 % Eye Dam. 1 : C ≥ ,6 % Eye Irrit. 2 H319: ,06 % ≤ C < ,6 % Skin Sens. 1A : C ≥ ,0015 %	100

### 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:



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#### **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:



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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

Preliminary remark:

# 8.1.1 <u>Occupational exposure limits:</u>

France

Source :	Informations rela	nformations relatives à la réglementation VME (France) : ED 984, 07.2012						
Substance	EC-No.	EC-No.         CAS-No         VLE (mg/m3)         VLE (ppm)         VME (mg/m3)         VME (ppm)						
7647-14-5 / 231- 598-3	231-598-3	7647-14-5						
7778-77-0 / 231- 913-4	231-913-4	7778-77-0						

### Spain

Source :	Limites de Exposicion Profesional para Agentes Quimicos en Espana Instituto Nacional de Seguridad e Higiene en el Trabajo June 2015						
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)	
7647-14-5 / 231- 598-3	231-598-3	7647-14-5					
7778-77-0 / 231- 913-4	231-913-4	7778-77-0					

## Germany

Source :	TRGS 900, June 2015, BAuA					
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)		
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7778-77-0 / 231-913-4	231-913-4	7778-77-0				

- Italia
- Greece



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UK

OSHA (USA)

Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000					
Substance	EC-No.	CAS-No	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)
7647-14-5 / 231-598- 3		7647-14-5				
7778-77-0 / 231-913- 4	231-913-4	7778-77-0				

## 8.1.2 <u>Biological limit values (Germany):</u>

Source :	List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014					
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)		
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7778-77-0 / 231-913-4	231-913-4	7778-77-0				

# 8.1.3 <u>Exposure limits at intended use (Germany):</u>

Source :	TRGS 903, November 2015, BAuA				
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)	
7647-14-5 / 231-598-3	231-598-3	7647-14-5			
7778-77-0 / 231-913-4	231-913-4	7778-77-0			

# 8.1.4 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	bstance dat	STIS – substance database												
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	cyctemic ettects	Acute – inhalation, local effects (mg/m3)	systemic ettects	Long-term – inhalation, local effects (mg/m3)	cyctemic ettects						
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62- 2068.62								
7778-77-0 / 231-913-4	231-913-4	7778-77-0					4.07-4.07								

DNEL consumer



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Source :	GESTIS – si	GESTIS – substance database											
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	systemic effects				
7647-14-5 / 231-598-3	231-598-3	7647-14-5											
7778-77-0 / 231-913-4	231-913-4	7778-77-0											

DNEL remark:

PNEC

Source :	INERIS																
				PNEC AQUATIC PNEC Sediment													
Substance	EC-No.	CAS-No	1	freshwate	r	m	arine wat	er	interr	mittent re	lease	f	reshwate	er	ma	rine wat	ter
	LC-NO.		(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7647-14-5 / 231-598- 3	231-598-3	7647-14-5															
7778-77-0 / 231-913- 4	231-913-4	7778-77-0															

Source :	INERIS	INERIS												
								Oth	ers					
Substance	EC-No.	CAS-No		PNEC soil		PNEC s	ewage trea	atment		PNEC air		1	EC second poisoning	-
			(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	/L) (mg/kg) (ppm) (mg/L)			(mg/kg)	(ppm)
7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

PNEC remark:

Control parameters remark:

## 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

## 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

 $\textbf{Respiratory protection} : \textbf{Ensure adequate ventilation} \; ; \\$ 

Thermal hazards:



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# 8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	Orange;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C	)							
Freezing point (°C	C)							
Initial boiling poir	nt/boiling r	range (°C)						
Flash point (°C)	lash point (°C)							
Evaporation rate	Evaporation rate (kg/m²/h)							
Flammability (type : ) (%)								
flammability or e	Upper/lower Upper explosive limit numability or explosive (%)							
	Lower explosive limit (%)							
	oour pressure (kPa)							
Vapour density (g								
		Density (g/cm³)						
Densities		Relative density (g/cm³)						
		Bulk density (g/cm³)						
		Critical density (g/cm³)						
Solubility (Type :	) (g/L)							
Partition coefficient n-octanol/water		w)						
Auto-ignition tem	nperature (	(°C)						
	Decomposition temperature (°C) Decomposition energy: kJ							
Viscosity	V	iscosity, dynamic (poiseuille)						
	,	Viscosity, cinematic (cm³/s)						
	Oxidising properties							
Explosive propert	ties							

## 9.2 Other information:

No other relevant data available



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## **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

#### <u>Substances</u>

### • Acute toxicity

### Animal data:

Acute oral toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Symptoms / delayed effects	Remark
55965-84-9 / 247-500-7					

### Acute dermal toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Remark
55965-84-9 / 247-500-7				

### Acute inhalative toxicity:

S	Substance name	C(E)L50 (mg/L)	Exposure time	Species	Method	Remark
55965-	84-9 / 247-500-7					

Practical experience / human evidence:

Assessment / Classification:

General Remark:

## • Skin corrosion/irritation



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#### Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

• Eye damage/irritation

## Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

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

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:



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Other information:

o 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

Source :	Information	formations relatives à la réglementation VME (France) : ED 984, 07.2012												
Substance	EC-No.	o. CAS-No LC50 EC50 Test General Result/ Evaluation Method Remark General Remark												
55965-84-9 / 247-500-7	247-500-7	55965-84- 9												

# Chronic (long-term) fish toxicity

Source :	Informations r	ormations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	CAS-No	NOEC (mg/L)	Test duration	Species	Method	Remark	General Remark	
55965-84-9 / 247-500-7	247-500-7	55965-84-9							



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

Source :	Information	ormations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	CAS-No	EC50 (mg/L)	Test duration	Species	Result/ Evaluation	Method	Remark	General Remark	
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

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

Source :	Informations r	ormations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	CAS-No	NOEC (mg/L)	Test duration	Species	Method	Remark	General Remark	
55965-84-9 / 247-500-7	247-500-7	55965-84-9							

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

Source :	Informations	ormations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	CAS-No	EC50 (mg/L)	Test duration	Species	Result/ Evaluation	Method	Remark	General Remark	
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

# Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations rela	ormations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	EC-No. CAS-No EC50 (mg/L) Species Method Remark General Remark							
55965-84-9 / 247- 500-7	247-500-7	55965-84-9							

Assessment / Classification:

## 12.2 Persistence and degradability

## **Biodegradation:**

Source :	Informations r	ormations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	o. CAS-No Inoculum Biodegradation Degradation rate (%) Method Remark								
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

# Abiotic Degradation:

Source :								
Substance	EC-No.	CAS-No	Abiotic degradation test type	Half-life time (j)	Temperature (°C)	рН	Method	Remark
55965-84-9 / 247-500-7	247-500-7	55965-84-9						



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Assessment / Classification:

#### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

Source :						
Substance	EC-No.	CAS-No	Species	Result	Method	Remark
55965-84-9 / 247- 500-7	247-500-7	55965-84-9				

#### 12.4 Mobility in soil

Source :											
Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
55965-84-9 / 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**

### ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

## 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: Excepted Quantities for ADR/RID: Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:



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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



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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:06/09/2023 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):

Code	Hazard statments					
H301	Toxic if swallowed					
H310	Fatal in contact with skin					
H314	Causes severe skin burns and eye damage.					
H317	May cause an allergic skin reaction					
H318	Causes serious eye damage.					
H330	Fatal if inhaled					
H400	Very toxic to aquatic life					
H410	Very toxic to aquatic life with long lasting effects					





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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

Designation / Commercial name: CAL4-P3NP-ELISA

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

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

#### 2.2 Label elements

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

Product identifier:

Designation / Commercial name : CAL4-P3NP-ELISA



Designation / Commercial name : CAL4-P3NP-ELISA Version: UK, Page 2 of 15, Revision date: 07/09/2023

### Substances contained in this product:

Substance name	CAS n°	Index n°	EC n°
-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one 3:1)	55965-84-9	613-167-00-5	247-500-7

# Hazard pictograms

GHS07-exclam



# Signal word:

Warning

Hazard and precautionary statements:

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

### 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:



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# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# 3.2 Mixtures

#### **Hazardous ingredients:**

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sodium chloride	7647-14-5		231-598-3		< 1%		
potassium dihydrogenorthophosphate	7778-77-0		231-913-4		< 1%		
5-chloro-2-méthyl-4- isothiazolin-3-one and 2- méthyl-4-isothiazolin-3- one (3:1)	55965-84-9	613-167-00-5	247-500-7	Acute toxicity - Acute Tox. 2 - H310 - Dermal Acute toxicity - Acute Tox. 2 - H330 - Inhalation Acute toxicity - Acute Tox. 3 - H301 - Oral Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1A - H317 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Corr. 1C - H314	< 0,06 %	Skin Corr. 1C : C ≥ ,6 % Skin Irrit. 2 H315: ,06 % ≤ C < ,6 % Eye Dam. 1 : C ≥ ,6 % Eye Irrit. 2 H319: ,06 % ≤ C < ,6 % Skin Sens. 1A : C ≥ ,0015 %	100

### 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:



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#### **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:



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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

Preliminary remark:

# 8.1.1 <u>Occupational exposure limits:</u>

France

Source :	Informations rela	nformations relatives à la réglementation VME (France) : ED 984, 07.2012						
Substance	EC-No.	EC-No.         CAS-No         VLE (mg/m3)         VLE (ppm)         VME (mg/m3)         VME (ppm)						
7647-14-5 / 231- 598-3	231-598-3	7647-14-5						
7778-77-0 / 231- 913-4	231-913-4	7778-77-0						

### Spain

Source :	imites de Exposicion Profesional para Agentes Quimicos en Espana nstituto Nacional de Seguridad e Higiene en el Trabajo une 2015						
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)	
7647-14-5 / 231- 598-3	231-598-3	7647-14-5					
7778-77-0 / 231- 913-4	231-913-4	7778-77-0					

# Germany

Source :	TRGS 900, June 2015, BAuA					
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)		
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7778-77-0 / 231-913-4	231-913-4	7778-77-0				

- Italia
- Greece



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UK

OSHA (USA)

Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000							
Substance	EC-No.	CAS-No	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)		
7647-14-5 / 231-598- 3		7647-14-5						
7778-77-0 / 231-913- 4	231-913-4	7778-77-0						

# 8.1.2 <u>Biological limit values (Germany):</u>

Source :	List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014						
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)			
7647-14-5 / 231-598-3	231-598-3	7647-14-5					
7778-77-0 / 231-913-4	231-913-4	7778-77-0					

# 8.1.3 <u>Exposure limits at intended use (Germany):</u>

Source :	TRGS 903, November 2015, BAuA					
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)		
7647-14-5 / 231-598-3	231-598-3	7647-14-5				
7778-77-0 / 231-913-4	231-913-4	7778-77-0				

# 8.1.4 <u>DNEL/PNEC-values:</u>

DNEL worker

Source :	GESTIS – su	TIS – substance database							
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	cyctemic ettects	Acute – inhalation, local effects (mg/m3)	systemic ettects	Long-term – inhalation, local effects (mg/m3)	cyctemic ettects
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62- 2068.62		
7778-77-0 / 231-913-4	231-913-4	7778-77-0					4.07-4.07		

DNEL consumer



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Source :	GESTIS – si	ESTIS – substance database											
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	dermal, local	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	systemic effects				
7647-14-5 / 231-598-3	231-598-3	7647-14-5											
7778-77-0 / 231-913-4	231-913-4	7778-77-0											

DNEL remark:

PNEC

Source :	INERIS																
		PNEC AQUATIC				P	NEC S	edimen	t	,							
Substance	EC-No.	CAS-No		freshwate	r	m	arine wat	er	inter	mittent re	lease	f	freshwater mg/L) (mg/kg) (ppm) (		marine water		er
	Le No.		(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	mg/L) (mg/kg) (ppm) (mg/L) (m		(mg/kg)	(ppm)	
7647-14-5 / 231-598- 3	231-598-3	7647-14-5															
7778-77-0 / 231-913- 4	231-913-4	7778-77-0															

Source :	INERIS													
								Oth	ers					
Substance	EC-No.	CAS-No		PNEC soil		PNEC s	ewage trea	atment		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)
7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

PNEC remark:

Control parameters remark:

# 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

# 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

 $\textbf{Respiratory protection} : \textbf{Ensure adequate ventilation} \; ; \\$ 

Thermal hazards:



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# 8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	Orange;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C	)							
Freezing point (°C	C)							
Initial boiling poir	nt/boiling r	range (°C)						
Flash point (°C)								
Evaporation rate (kg/m²/h)								
Flammability (type : ) (%)								
flammability or e	Upper/lower Upper explosive limit mability or explosive (%)							
Lower explosive limit (%)								
Vapour pressure (kPa)								
Vapour density (g/cm³)								
		Density (g/cm³)						
Densities	Relative density (g/cm³)							
		Bulk density (g/cm³)						
		Critical density (g/cm³)						
Solubility (Type :	) (g/L)							
Partition coefficients of the control of the contro		w)						
Auto-ignition tem	nperature (	(°C)						
Decomposition temperature (°C) Decomposition energy: kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
	,	Viscosity, cinematic (cm³/s)						
	Oxidising properties							
Explosive propert	xplosive properties							

# 9.2 Other information:

No other relevant data available



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# **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

### <u>Substances</u>

### Acute toxicity

### Animal data:

Acute oral toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Symptoms / delayed effects	Remark
55965-84-9 / 247-500-7					

### Acute dermal toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Remark
55965-84-9 / 247-500-7				

### Acute inhalative toxicity:

Substance name	C(E)L50 (mg/L)	Exposure time	Species	Method	Remark
55965-84-9 / 247-500-7					

Practical experience / human evidence:

Assessment / Classification:

General Remark:

# • Skin corrosion/irritation



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#### Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

• Eye damage/irritation

# Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

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

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:



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Other information:

o 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

Source :	Information	nformations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No.	CAS-No	LC50 (mg/L)	EC50 (mg/L)	Test duration	Species	Result/ Evaluation	Method	Remark	General Remark			
55965-84-9 / 247-500-7	247-500-7	55965-84- 9											

# Chronic (long-term) fish toxicity

Source :	Informations r	formations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No.	EC-No. CAS-No NOEC (mg/L) Test duration Species Method Remark General Remark											
55965-84-9 / 247-500-7	247-500-7	55965-84-9											



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

Source :	rrce : Informations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	abstance EC-No. CAS-No ECS0 (mg/L) Test duration Species Result/ Evaluation Method Remark									
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

# Chronic (long-term) toxicity to crustacea

Source :	Informations r	Informations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance EC-No. CAS-No NOEC (mg/L) Test duration Species Method Re								General Remark			
55965-84-9 / 247-500-7	247-500-7	55965-84-9									

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

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	tance EC-No. CAS-No EC50 (mg/L) Test duration Species Result/ Evaluation Method Remark General F									
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

# Toxicity to microorganisms and other aquatic plants / organisms

Source :	te : Informations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	ubstance EC-No. CAS-No EC50 (mg/L) Species Method Remark General Remark								
55965-84-9 / 247- 500-7	247-500-7	55965-84-9							

Assessment / Classification:

# 12.2 Persistence and degradability

# **Biodegradation:**

Source :	Source : Informations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	ubstance EC-No. CAS-No Inoculum Biodegradation parameter Parameter Method Ref									
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

# Abiotic Degradation:

Source :								
Substance	EC-No.	CAS-No	Abiotic degradation test type	Half-life time (j)	Temperature (°C)	рН	Method	Remark
55965-84-9 / 247-500-7	247-500-7	55965-84-9						



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Assessment / Classification:

### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

Source :						
Substance	EC-No.	CAS-No	Species	Result	Method	Remark
55965-84-9 / 247- 500-7	247-500-7	55965-84-9				

#### 12.4 Mobility in soil

Source :											
Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
55965-84-9 / 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**

### ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

## 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: Excepted Quantities for ADR/RID: Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:



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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



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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:06/09/2023 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):

Code	Hazard statments						
H301	Toxic if swallowed						
H310	Fatal in contact with skin						
H314	Causes severe skin burns and eye damage.						
H317	May cause an allergic skin reaction						
H318	Causes serious eye damage.						
H330	Fatal if inhaled						
H400	Very toxic to aquatic life						
H410	Very toxic to aquatic life with long lasting effects						





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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

Designation / Commercial name : CAL5-P3NP-ELISA

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
Respiratory/skin sensitization - Skin Sens. 1A - H317 Skin Se	Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364

#### 2.2 Label elements

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

Product identifier:

Designation / Commercial name : CAL5-P3NP-ELISA



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### Substances contained in this product:

Substance name	CAS n°	Index n°	EC n°
-chloro-2-méthyl-4-isothiazolin-3-one and 2-méthyl-4-isothiazolin-3-one 3:1)	55965-84-9	613-167-00-5	247-500-7

### <u>Hazard pictograms</u> GHS07-exclam



# Signal word:

Warning

Hazard and precautionary statements:

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

### 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:



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# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# 3.2 Mixtures

#### **Hazardous ingredients:**

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sodium chloride	7647-14-5		231-598-3		< 1%		
potassium dihydrogenorthophosphate	7778-77-0		231-913-4		< 1%		
5-chloro-2-méthyl-4- isothiazolin-3-one and 2- méthyl-4-isothiazolin-3- one (3:1)	55965-84-9	613-167-00-5	247-500-7	Acute toxicity - Acute Tox. 2 - H310 - Dermal Acute toxicity - Acute Tox. 2 - H330 - Inhalation Acute toxicity - Acute Tox. 3 - H301 - Oral Hazardous to the aquatic environment - Aquatic Acute 1 - H400 Hazardous to the aquatic environment - Aquatic Chronic 1 - H410 Respiratory/skin sensitization - Skin Sens. 1A - H317 Serious eye damage/eye irritation - Eye Dam. 1 - H318 Skin corrosion/irritation - Skin Corr. 1C - H314	< 0,06 %	Skin Corr. 1C : C ≥ ,6 % Skin Irrit. 2 H315: ,06 % ≤ C < ,6 % Eye Dam. 1 : C ≥ ,6 % Eye Irrit. 2 H319: ,06 % ≤ C < ,6 % Skin Sens. 1A : C ≥ ,0015 %	100

### 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:



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#### **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:



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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters

Preliminary remark:

# 8.1.1 <u>Occupational exposure limits:</u>

France

Source :	Informations rela	formations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No.	C-No. CAS-No VLE (mg/m3) VLE (ppm) VME (mg/m3) VME (ppm)											
7647-14-5 / 231- 598-3	231-598-3	7647-14-5											
7778-77-0 / 231- 913-4	231-913-4	7778-77-0											

### Spain

Source :		nites de Exposicion Profesional para Agentes Quimicos en Espana tituto Nacional de Seguridad e Higiene en el Trabajo ne 2015												
Substance	EC-No.	EC-No. CAS-No VLA-EC (mg/m3) VLA-EC (ppm) VLA-ED (mg/m3) VLA-ED (ppm)												
7647-14-5 / 231- 598-3	231-598-3	7647-14-5												
7778-77-0 / 231- 913-4	231-913-4	7778-77-0												

# Germany

Source :	TRGS 900, June 2015, BAuA										
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)							
7647-14-5 / 231-598-3	231-598-3	7647-14-5									
7778-77-0 / 231-913-4	231-913-4	7778-77-0									

- Italia
- Greece



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UK

OSHA (USA)

Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000											
Substance	EC-No.	CAS-No	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)						
7647-14-5 / 231-598- 3		7647-14-5										
7778-77-0 / 231-913- 4	231-913-4	7778-77-0										

# 8.1.2 <u>Biological limit values (Germany):</u>

Source :	List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014									
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)						
7647-14-5 / 231-598-3	231-598-3	7647-14-5								
7778-77-0 / 231-913-4	231-913-4	7778-77-0								

# 8.1.3 <u>Exposure limits at intended use (Germany):</u>

Source :	TRGS 903, November 2015, BAuA									
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)						
7647-14-5 / 231-598-3	231-598-3	7647-14-5								
7778-77-0 / 231-913-4	231-913-4	7778-77-0								

# 8.1.4 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	bstance dat	abase						
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day) Long-term dermal, loc effects (mg/kg/day)		cyctemic ettects	Acute – inhalation, local effects (mg/m3)	systemic ettects	Long-term – inhalation, local effects (mg/m3)	cyctemic ettects
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62- 2068.62		
7778-77-0 / 231-913-4	231-913-4	7778-77-0					4.07-4.07		

DNEL consumer



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Source :	GESTIS – si	ubstance da	tabase						
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	dermal, local	Long-term – dermal, systemic effects (mg/kg/day)	Acute – inhalation, local effects (mg/m3)	Acute – inhalation, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	systemic effects
7647-14-5 / 231-598-3	231-598-3	7647-14-5							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

DNEL remark:

PNEC

Source :	INERIS																	
Substance EC-No.				PNEC AQUATIC									F	PNEC S	edimen	t	,	
	EC No	CAS-No	freshwater			m	marine water			intermittent release			freshwater			marine water		
		(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)		
7647-14-5 / 231-598- 3	231-598-3	7647-14-5																
7778-77-0 / 231-913- 4	231-913-4	7778-77-0																

Source :	INERIS	VERIS													
			Others												
Substance	EC-No.	CAS-No	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)	
7647-14-5 / 231-598-3	231-598-3	7647-14-5													
7778-77-0 / 231-913-4	231-913-4	7778-77-0													

PNEC remark:

Control parameters remark:

# 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

# 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

 $\textbf{Respiratory protection} : \textbf{Ensure adequate ventilation} \; ; \\$ 

Thermal hazards:



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# 8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	Orange;
Odour	
Odour threshold (ppm)	

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН								
Melting point (°C	)							
Freezing point (°C	Freezing point (°C)							
Initial boiling poir	nt/boiling r	range (°C)						
Flash point (°C)								
Evaporation rate	(kg/m²/h)							
Flammability (typ	e:)(%)							
Upper/lowerflammability or explain the second secon		Upper explosive limit (%)						
		Lower explosive limit (%)						
Vapour pressure								
Vapour density (g								
		Density (g/cm³)						
Densities		Relative density (g/cm³)						
		Bulk density (g/cm³)						
		Critical density (g/cm³)						
Solubility (Type :	) (g/L)							
Partition coefficients of the control of the contro		w)						
Auto-ignition tem	nperature (	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
	,	Viscosity, cinematic (cm³/s)						
Oxidising propert								
Explosive propert	ties							

# 9.2 Other information:

No other relevant data available



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# **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

### <u>Substances</u>

## • Acute toxicity

# Animal data:

Acute oral toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Symptoms / delayed effects	Remark
55965-84-9 / 247-500-7					

## Acute dermal toxicity:

Substance name	LD50 (mg/kg)	Species	Method	Remark
55965-84-9 / 247-500-7				

## Acute inhalative toxicity:

Substance name	C(E)L50 (mg/L)	Exposure time	Species	Method	Remark
55965-84-9 / 247-500-7					

Practical experience / human evidence:

Assessment / Classification:

General Remark:

# • Skin corrosion/irritation



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#### Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

• Eye damage/irritation

# Animal data:

Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark
55965-84-9 / 247-500-						
7						

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

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - $\circ \quad \text{Germ cell mutagenicity:} \\$

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:



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Other information:

o 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

Source :	Informations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No.	CAS-No	LC50 (mg/L)	EC50 (mg/L)	Test duration	Species	Result/ Evaluation	Method	Remark	General Remark		
55965-84-9 / 247-500-7	247-500-7	55965-84- 9										

# Chronic (long-term) fish toxicity

Source :	Informations r	nformations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No. CAS-No NOEC (mg/L) Test duration Species Method Remark General												
55965-84-9 / 247-500-7	247-500-7	55965-84-9											



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

Source :	Information	nformations relatives à la réglementation VME (France) : ED 984, 07.2012												
Substance	EC-No.	EC-No. CAS-No EC50 (mg/L) Test duration Species Result/ Evaluation Method Remark General Rem												
55965-84-9 / 247-500-7	247-500-7	55965-84-9												

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

Source :	Informations r	nformations relatives à la réglementation VME (France) : ED 984, 07.2012												
Substance	EC-No.	Remark	General Remark											
55965-84-9 / 247-500-7	247-500-7	55965-84-9												

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

Source :	Informations	nformations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No.	EC-No. CAS-No EC50 (mg/L) Test duration Species Result/Evaluation Method Remark General Remark											
55965-84-9 / 247-500-7	247-500-7	55965-84-9											

# Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations rela	nformations relatives à la réglementation VME (France) : ED 984, 07.2012						
Substance	EC-No.	CAS-No	EC50 (mg/L)	Species	Method	Remark	General Remark	
55965-84-9 / 247- 500-7	247-500-7	55965-84-9						

Assessment / Classification:

# 12.2 Persistence and degradability

# **Biodegradation:**

Source :	Informations r	nformations relatives à la réglementation VME (France) : ED 984, 07.2012								
Substance	EC-No.	EC-No. CAS-No Inoculum Biodegradation parameter Degradation rate (%) Method Remark								
55965-84-9 / 247-500-7	247-500-7	55965-84-9								

# Abiotic Degradation:

Source :								
Substance	EC-No.	CAS-No	Abiotic degradation test type	Half-life time (j)	Temperature (°C)	рН	Method	Remark
55965-84-9 / 247-500-7	247-500-7	55965-84-9						



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Assessment / Classification:

#### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF):

Source :						
Substance	EC-No.	CAS-No	Species	Result	Method	Remark
55965-84-9 / 247- 500-7	247-500-7	55965-84-9				

#### 12.4 Mobility in soil

5	ource :											
	Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
	5965-84-9 247-500-7		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**

### ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

## 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: Excepted Quantities for ADR/RID: Packing Instructions for ADR/RID: Special packing provisions for ADR/RID:



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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



Designation / Commercial name : CAL5-P3NP-ELISA Version: UK, Page 15 of 15, Revision date: 07/09/2023

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:06/09/2023 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):

Code	Hazard statments					
H301	Toxic if swallowed					
H310	Fatal in contact with skin					
H314	Causes severe skin burns and eye damage.					
H317	May cause an allergic skin reaction					
H318	Causes serious eye damage.					
H330	Fatal if inhaled					
H400	Very toxic to aquatic life					
H410	Very toxic to aquatic life with long lasting effects					





Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 1 of 13, Revision date: 07/09/2023

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier:

Designation / Commercial name : BLISTER-3-WASH

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

# 2.2 Label elements

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

Product identifier:

Designation / Commercial name : BLISTER-3-WASH

Substances contained in this product:



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 2 of 13, Revision date: 07/09/2023

**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:



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 3 of 13, Revision date: 07/09/2023

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sodium chloride	7647-14-5		231-598-3		≥ 25%		
potassium dihydrogenorthophosphate	7778-77-0		231-913-4		< 3%		

#### 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.;



Designation / Commercial name: BLISTER-3-WASH Version: UK, Page 4 of 13, Revision date: 07/09/2023

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### Personal precautions, protective equipment and emergency procedures 6.1

Emergency procedures: Provide adequate ventilation.;

#### 6.2 **Environmental precautions**

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

#### 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**

#### Precautions for safe handling 7.1

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:

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION SECTION 8:**

#### 8.1 Control parameters

Preliminary remark:

#### 8.1.1 Occupational exposure limits:

France

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



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 5 of 13, Revision date: 07/09/2023

						•
Substance	EC-No.	CAS-No	VLE (mg/m3)	VLE (ppm)	VME (mg/m3)	VME (ppm)
7647-14-5 / 231- 598-3	231-598-3	7647-14-5				
7778-77-0 / 231- 913-4	231-913-4	7778-77-0				

# Spain

Source :	Limites de Exposicion Profesional para Agentes Quimicos en Espana Instituto Nacional de Seguridad e Higiene en el Trabajo June 2015						
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)	
7647-14-5 / 231- 598-3	231-598-3	7647-14-5					
7778-77-0 / 231- 913-4	231-913-4	7778-77-0					

# Germany

Source :	TRGS 900, June 2015, BAuA						
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)			
7647-14-5 / 231-598-3	231-598-3	7647-14-5					
7778-77-0 / 231-913-4	231-913-4	7778-77-0					

- Italia
- Greece
- UK
- OSHA (USA)

9	Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000					
	Substance	EC-No.	CAS-No	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)



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L		1	I	1	1	
7647-14-5 / 231-	231-598-3	7647-14-5				
3						
7778-77-0 / 231- 4	913-231-913-4	7778-77-0				

# 8.1.2 <u>Biological limit values (Germany):</u>

Source :	List of recommended heal	th-based biological limit val	based biological limit values (BLVs) and biological guidance values (BGVs), June 2014						
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)					
7647-14-5 / 231-598-3	231-598-3	7647-14-5							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

# 8.1.3 Exposure limits at intended use (Germany):

Source :	TRGS 903, November 201	RGS 903, November 2015, BAuA								
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)						
7647-14-5 / 231-598-3	231-598-3	7647-14-5								
7778-77-0 / 231-913-4	231-913-4	7778-77-0								

# 8.1.4 <u>DNEL/PNEC-values:</u>

DNEL worker

Source :	GESTIS – su	STIS – substance database											
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	systemic ettects	Acute – inhalation, local effects (mg/m3)	cyctemic ettects	Long-term – inhalation, local effects (mg/m3)	systemic ettects				
7647-14-5 / 231-598-3	231-598-3	7647-14-5					2068.62- 2068.62						
7778-77-0 / 231-913-4	231-913-4	7778-77-0					4.07-4.07						

# DNEL consumer

Source :	GESTIS – sı	ubstance da	tabase						
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	systemic effects	Acute – inhalation, local effects (mg/m3)	systemic ettects	Long-term – inhalation, local effects (mg/m3)	systemic ettects
7647-14-5 / 231-598-3	231-598-3	7647-14-5							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 7 of 13, Revision date: 07/09/2023

DNEL remark:

PNEC

Source :	INERIS																
Substance EC				PNEC AQUATIC								PNEC Sediment					
	EC-No.	CAS-No	freshwater		m	arine wat	er	intermittent release		fı	reshwate	er	ma	rine wat	er		
	Le No.	CAS NO	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7647-14-5 / 231-598- 3	231-598-3	7647-14-5															
7778-77-0 / 231-913- 4	231-913-4	7778-77-0															

Source :	INERIS	NERIS												
	EC-No.			Others										
Substance		CAS-No	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)
7647-14-5 / 231-598-3	231-598-3	7647-14-5												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

PNEC remark:

Control parameters remark:

# 8.2 Exposure controls

8.2.1 <u>Appropriate engineering controls:</u>

8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

Respiratory protection: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Solid;
Colour	White;
Odour	
Odour threshold (ppm)	



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 8 of 13, Revision date: 07/09/2023

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
pH							
Melting point (°C)							
Freezing point (°C)							
Initial boiling point/boilir	g range (°C)						
Flash point (°C)							
Evaporation rate (kg/m²/	h)						
Flammability (type : ) (%)							
Upper/lower flammability or explosive	Upper explosive limit (%)						
limits	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm³)							
	Density (g/cm³)						
Densities	Relative density (g/cm³)						
	Bulk density (g/cm³)						
Critical density (g/cm³)  Solubility (Type: ) (g/L)							
Partition coefficient (log n-octanol/water at pH :	Pow)						
Auto-ignition temperatur	re (°C)						
Decomposition temperature (°C) Decomposition energy: kJ							
Viscosity	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



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 9 of 13, Revision date: 07/09/2023

## **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 (carcinogenity, mutagenicity and toxicity for reproduction)
  - o Germ cell mutagenicity:

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence: Animal data:

Other information:

Assessment / Classification:

Reproductive toxicity

Practical experience / human evidence:



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 10 of 13, Revision date: 07/09/2023

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
  - o 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



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 11 of 13, Revision date: 07/09/2023

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**

## ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 12 of 13, Revision date: 07/09/2023

## 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: 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:

SVHC:



Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 13 of 13, Revision date: 07/09/2023

- 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:06/09/2023 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):





Designation / Commercial name : STOP SOLN STOP SOL Version: UK, Page 1 of 13, Revision date: 07/09/2023

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

# 1.1 Product identifier:

**Designation / Commercial name: STOP SOLN STOP SOL** 

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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

## 2.2 Label elements

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

#### Product identifier:

Designation / Commercial name : STOP SOLN STOP SOL

Substances contained in this product:



Designation / Commercial name : STOP SOLN STOP SOL Version: UK, Page 2 of 13, Revision date: 07/09/2023

**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:



Designation / Commercial name : STOP SOLN STOP SOL Version: UK, Page 3 of 13, Revision date: 07/09/2023

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification according Regulation (EC) No. 1272 [CLP]	Concentration (%)	SCL	M-factor
sulphuric acid	7664-93-9	016-020-00-8	1231-639-5	Skin corrosion/irritation - Skin Corr. 1A - H314	< 3%	Eye Irrit. 2 H319: 5 % ≤ C < 15 % Skin Corr. 1A H314: C ≥ 15 % Skin Irrit. 2 H315: 5 % ≤ C < 15 %	

## 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.;



Designation / Commercial name: STOP SOLN STOP SOL Version: UK, Page 4 of 13, Revision date: 07/09/2023

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### Personal precautions, protective equipment and emergency procedures 6.1

Emergency procedures: Provide adequate ventilation.;

#### 6.2 **Environmental precautions**

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

#### 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**

#### Precautions for safe handling 7.1

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:

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION SECTION 8:**

#### 8.1 Control parameters

Preliminary remark:

#### 8.1.1 Occupational exposure limits:

France

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



Designation / Commercial name : STOP SOLN STOP SOL Version: UK, Page 5 of 13, Revision date: 07/09/2023

						V
Substance	EC-No.	CAS-No	VLE (mg/m3)	VLE (ppm)	VME (mg/m3)	VME (ppm)
7664-93-9 / 231- 639-5	231-639-5	7664-93-9	3		0,05	

# Spain

Source :	•	•	ara Agentes Quimicos en igiene en el Trabajo	Espana		
Substance	EC-No.	CAS-No	VLA-EC (mg/m3)	VLA-EC (ppm)	VLA-ED (mg/m3)	VLA-ED (ppm)
7664-93-9 / 231- 639-5	231-639-5	7664-93-9				0,05

# Germany

Source :	TRGS 900, June 2015, BA	RGS 900, June 2015, BAuA								
Substance	EC-No.	CAS-No	AGW (mg/m3)	AGW (ppm)						
7664-93-9 / 231-639-5	231-639-5	7664-93-9	0,1							

- Italia
- Greece
- UK
- OSHA (USA)

Source :	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000									
Substance	EC-No.	CAS-No	OSHA Permissible Exposure Limit (PEL) 8-hour TWA (ppm)	OSHA Permissible Exposure Limit (PEL) 8- hour TWA (mg/m3)	OSHA Permissible Exposure Limit (PEL) STEL (ppm)	OSHA Permissible Exposure Limit (PEL) STEL (mg/m3)				
7664-93-9 / 231-639- 5	231-639-5	7664-93-9		1						

# 8.1.2 <u>Biological limit values (Germany):</u>



Designation / Commercial name : STOP SOLN STOP SOL Version: UK, Page 6 of 13, Revision date: 07/09/2023

Source :	List of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014								
Substance	EC-No.	CAS-No	BLV (mg/m3)	BLV (ppm)					
7664-93-9 / 231-639-5	231-639-5	7664-93-9							

# 8.1.3 Exposure limits at intended use (Germany):

Source :	TRGS 903, November 201	.5, BAuA	, BAuA							
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)						
7664-93-9 / 231-639-5	231-639-5	7664-93-9								

# 8.1.4 <u>DNEL/PNEC-values:</u>

DNEL worker

Source :	GESTIS – su	bstance dat	abase						
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	Isystemic effects	Acute – inhalation, local effects (mg/m3)	systemic effects	Long-term – inhalation, local effects (mg/m3)	systemic effects
7664-93-9 / 231-639-5	231-639-5	7664-93-9				0.1-0.1		0.05-0.05	

DNEL consumer

Source :	GESTIS – si	ubstance da	tabase						
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	systemic effects	Acute – inhalation, local effects (mg/m3)	systemic effects	Long-term – inhalation, local effects (mg/m3)	systemic effects
7664-93-9 / 231-639-5	231-639-5	7664-93-9							

# DNEL remark:

PNEC

Source :	INERIS																
PNEC AQUATIC						PNEC Sediment											
Substance	EC-No.	CAS-No	fres		eshwater		marine water		intermittent release		freshwater		marine water		.er		
Substance	EC-NO.		(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7664-93-9 / 231-639- 5	231-639-5	7664-93-9															

|--|



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								Oth	ers					•
Substance	EC-No.	CAS-No	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)
7664-93-9 / 231-639-5	231-639-5	7664-93-9												

PNEC remark:

Control parameters remark:

# 8.2 Exposure controls

8.2.1 <u>Appropriate engineering controls:</u>

# 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves;

Respiratory protection: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Liquid;
Colour	Colorless;
Odour	
Odour threshold (ppm)	

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН		1					
pH 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)							
	Density (g/cm³)						
Densities	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)						



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				•
Decomposition temperature (°C) Decomposition energy: kJ				
Viscosity	Viscosity, dynamic (poiseuille)			
	Viscosity, cinematic (cm <sup>3</sup> /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:

Acute dermal toxicity:

Acute inhalative toxicity:

Practical experience / human evidence:

Assessment / Classification:

General Remark:

# • Skin corrosion/irritation

# Animal data:

							•
١	Substance name	Species	Method	Exposure time	Result/evaluation	Score	Remark



Designation / Commercial name: STOP SOLN STOP SOL Version: UK, Page 9 of 13, Revision date: 07/09/2023

					~
7664-93-9 / 231-639-5	Rabbit		occlusive.		

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)
  - o Germ cell mutagenicity:

Animal data:

Assessment / Classification:

Carcinogenicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:

Other information:

STOT SE 3

Practical experience / human evidence:

Other information:



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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:



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## 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**

# ADR/RID/AND/IMDG/IATA

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

# 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:

Special Provisions for ADR/RID:

Excepted Quantities 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:



Designation / Commercial name : STOP SOLN STOP SOL Version: UK, Page 12 of 13, Revision date: 07/09/2023

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: 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:06/09/2023 Modifications:



Designation / Commercial name : STOP SOLN STOP SOL Version: UK, Page 13 of 13, Revision date: 07/09/2023

# 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):

Code	Hazard statments
H314	Causes severe skin burns and eye damage.





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# 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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

## 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:



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**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:



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# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Hazardous ingredients:

This mixture does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### 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).;



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#### 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

<u>Technical measures and storage conditions:</u>

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



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•	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 **	mark.
DNEL rei ●	PNEC
DNEC -	an auto
PNEC re Control	mark: parameters remark:

# 8.2 Exposure controls

8.2.1 Appropriate engineering controls:



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# 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves; Laboratory coats;

**Respiratory protection**: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Liquid;
Colour	Colorless;
Odour	
Odour threshold (ppm)	

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
pH							
Melting point (°C)							
Freezing point (°C)							
Initial boiling point/boiling							
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)							
	Density (g/cm³)						
Densities	Relative density (g/cm³)						
	Bulk density (g/cm³)						
Solubility (Type : ) (g/L)	Critical density (g/cm³)						
Partition coefficient (log Pon-octanol/water at pH:	w)						
Auto-ignition temperature	(°C)						
Decomposition temperature (°C) Decomposition energy: kJ							
Viscosity V	(iscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm³/s)						
Oxidising properties							
Explosive properties							

# 9.2 Other information:

No other relevant data available



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# **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:

deneral nemark.

• Skin corrosion/irritation

## Animal data:

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

• Eye damage/irritation

# Animal data:



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

- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - o 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)
  - o STOT SE 1 and 2

Animal data:

Other information:

o 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



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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:



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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**

## ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

## 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: 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:

Limited quantities ADN:

Carriage permitted:

Special Provisions ADN:

Excepted quantities ADN:

Equipment required:

Provisions concerning loading and unloading: Provisions concerning carriage:

Number of blue cones/lights: Remark:



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## 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:

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:06/09/2023 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):





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Designation / Commercial name : TWEEN 20 TWEEN-1-3 Version: UK, Page 1 of 12, Revision date: 07/09/2023

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

# 1.1 Product identifier:

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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, company of Revvity Group - CBBIOA - Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France

Phone: +33 4 66 79 67 05 - Fax: +33 4 66 79 67 50 E-Mail (competent person): codolet.sds@revvity.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)

https://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:

Classification according to Regulation (EC) No 1272/2008 [CLP]	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008	None	None	None

# 2.2 Label elements

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

#### Product identifier:

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Substances contained in this product:



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**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:



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# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Hazardous ingredients:

This mixture does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### 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).;



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#### 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

<u>Technical measures and storage conditions:</u>

<u>Requirements for storage rooms and vessels</u>: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



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	·		
•	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 re •	mark: PNEC		
PNEC remark: Control parameters remark:			

# 8.2 Exposure controls

8.2.1 Appropriate engineering controls:



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# 8.2.2 <u>Personal protective equipment:</u>

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

**Skin protection**:Gloves; Laboratory coats;

**Respiratory protection**: Ensure adequate ventilation;

Thermal hazards:

8.2.3 <u>Environmental exposure controls:</u>

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state	Liquid;
Colour	Colorless;
Odour	
Odour threshold (ppm)	

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН							
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)							
	Density (g/cm³)						
Densities	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 temperatur	re (°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



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# **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

# <u>Substances</u>

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:



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

<ul> <li>CMR effects (carcinogenity, mutagenicity and toxicity for reproduce</li> </ul>
---

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)
  - o STOT SE 1 and 2

Animal data:

Other information:

o 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



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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:



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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**

## ADR/RID/AND/IMDG/IATA

UN No.	
UN Proper shipping name	
Transport hazard class(es)	
Hazard label(s)	
Packing group	

## 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: 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:



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#### 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:

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:06/09/2023 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):





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