

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 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:

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:

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

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 2 of 12, 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:

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

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 3 of 12, Revision date: 07/09/2023

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.

<u>Additional information:</u> 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). ;

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

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 4 of 12, Revision date: 07/09/2023

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 ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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



Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 5 of 12, Revision date: 07/09/2023

- 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 <u>DNEL/PNEC-values:</u>
 - DNEL worker
 - DNEL consumer

DNEL remark:

• PNEC

PNEC remark: Control parameters remark:

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

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

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 6 of 12, Revision date: 07/09/2023

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

repearance	
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/m ² /h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:)(g/L)							
Partition coefficient (log Ponte in the post of the po	ow)						
Auto-ignition temperature	(°C)						
Decomposition temperatu Decomposition energy : k							
Viscosity	/iscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)		1				
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 7 of 12, Revision date: 07/09/2023

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:

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

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 8 of 12, Revision date: 07/09/2023

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

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

Animal data:

Assessment / Classification:

• Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
 - \circ $\,$ 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

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

Designation / Commercial name : CONJ-P3NP-ELISA CONJ-P3NP Version: UK, Page 9 of 12, Revision date: 07/09/2023

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

11.1.1 <u>Mixtures</u> 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:

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

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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. ;

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

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:
Mixed packing provisions:	
Portable tanks and bulk containers Instructions:	
Portable tanks and bulk containers Special Provision	ons:
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, unloadi	ng and handling:
Special Provisions for carriage Operation:	
Hazard identification No:	Transport category (Tunnel restriction code):
<u>Sea transport (IMDG)</u>	
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 : Stowag	ge 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 :Passenger and Cargo Aircraft Maximal Net Quantity :Cargo Aircraft only Packaging Instructions :Passenger and Cargo Aircraft Maximal Net Quantity :Cargo Aircraft only Maximal Net Quantity :Cargo Aircraft only Packaging Instructions :Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

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

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:

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 2 of 12, Revision date: 24/10/2023

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 : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 3 of 12, Revision date: 24/10/2023

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.

<u>Additional information:</u> 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). ;

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 4 of 12, Revision date: 24/10/2023

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 ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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 Biological limit values (Germany):
- 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>

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 6 of 12, Revision date: 24/10/2023

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/m ² /h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)	-					
Solubility (Type:)(g/L)							
Partition coefficient (log Ponticient (log Ponticient) n-octanol/water at pH :	ow)						
Auto-ignition temperature	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	/iscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 7 of 12, Revision date: 24/10/2023

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:

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 8 of 12, Revision date: 24/10/2023

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

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

Animal data:

Assessment / Classification:

• Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
 - \circ $\,$ 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

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 9 of 12, Revision date: 24/10/2023

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

11.1.1 <u>Mixtures</u> 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:

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 10 of 12, Revision date: 24/10/2023

Additional ecotoxicological information:

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

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

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:
Mixed packing provisions:	
Portable tanks and bulk containers Instructions:	
Portable tanks and bulk containers Special Provision	ons:
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, unloadi	ng and handling:
Special Provisions for carriage Operation:	
Hazard identification No:	Transport category (Tunnel restriction code):
<u>Sea transport (IMDG)</u>	
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:
	ge 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:

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

Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 11 of 12, Revision date: 24/10/2023

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 :ERG code:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

• 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):



Designation / Commercial name : CONT1-P3NP-ELISA CONT1-P3NP Version: UK, Page 12 of 12, Revision date: 24/10/2023



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

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

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

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 2 of 12, Revision date: 24/10/2023

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 : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 3 of 12, Revision date: 24/10/2023

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.

<u>Additional information:</u> 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). ;

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

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 4 of 12, Revision date: 24/10/2023

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 ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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 Biological limit values (Germany):
- 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>

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

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 6 of 12, Revision date: 24/10/2023

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
pH							
Melting point (°C)							
Freezing point (°C)							
Initial boiling point/boiling range (°C)							
Flash point (°C)							
Evaporation rate (kg/m ² /h)							
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							
Densities	Density (g/cm³)						
	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:) (g/L)							
Partition coefficient (log Pow) n-octanol/water at pH :							
Auto-ignition temperature (°C)							
Decomposition temperature (°C) Decomposition energy : kJ							
	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 7 of 12, Revision date: 24/10/2023

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:

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

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 8 of 12, Revision date: 24/10/2023

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

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

Animal data:

Assessment / Classification:

• Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
 - \circ $\,$ 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

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

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 9 of 12, Revision date: 24/10/2023

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

11.1.1 <u>Mixtures</u> 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:

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 10 of 12, Revision date: 24/10/2023

Additional ecotoxicological information:

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

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

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

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

Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 11 of 12, Revision date: 24/10/2023

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 :ERG code:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

• 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):


Designation / Commercial name : CONT2-P3NP-ELISA CONT2-P3NP Version: UK, Page 12 of 12, Revision date: 24/10/2023



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

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.: 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 Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364 P501

2.2 Label elements

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

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

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

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

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:

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:

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

Designation / Commercial name : DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: UK, Page 3 of 15, 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				
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 : $C \ge ,6 \%$ Skin Irrit. 2 H315: ,06 % $\le C < ,6 \%$ Eye Dam. 1 : $C \ge ,6 \%$ Eye Irrit. 2 H319: ,06 % $\le C < ,6 \%$ Skin Sens. 1A : $C \ge ,0015 \%$	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:

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

Designation / Commercial name : DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: UK, Page 4 of 15, Revision date: 07/09/2023

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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

7.3 Specific end uses:

Recommendations on specific end uses:

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

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• France

Source :	Informations rel	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 :		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, BA	RGS 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 heal	t 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 Exposure limits at intended use (Germany):

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)	Long-term – dermal, local effects (mg/kg/day)	systemic etterts	Acute – inhalation, local effects (mg/m3)	systemic etterts	Long-term – inhalation, local effects (mg/m3)	systemic etterts			
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

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

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Source :	GESTIS – s	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									Р	NEC S	Sediment				
Substance EC-	EC-No. CAS-No	freshwater			m	marine water		intermittent release		freshwater		marine water							
	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													
		CAS-No		Others										
Substance	EC-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

<u>Appearance</u>

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)							
Freezing point (°C)							
Initial boiling point/boiling	range (°C)						
Flash point (°C)							
Evaporation rate (kg/m ² /h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
apour density (g/cm³)							
Densities	Density (g/cm³)						
	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:)(g/L)							
Partition coefficient (log Po n-octanol/water at pH :	ow)						
Auto-ignition temperature	(°C)						
Decomposition temperatu Decomposition energy: kJ							
Viscosity	/iscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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

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

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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:

o 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:

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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 <u>Mixtures</u> 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 :	Informatio	nformations relatives à la réglementation VME (France) : ED 984, 07.2012											
Substance	EC-No.	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										

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

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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.	C-No. CAS-No CAS-No											
55965-84-9 / 247-500-7	247-500-7	55965-84-9											

Chronic (long-term) toxicity to crustacea

Source :	Informations 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 :	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.	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						

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

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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 type	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: 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:

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

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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 Code: Vehicle for tank carriage: Special provisions for carriage Packages: Special provisions for carriage Bulk: Special provisions for carriage for loading, unloading and handling: Special Provisions for carriage Operation: Hazard identification No: Transport category (Tunnel restriction code):

> Subsidiary risk(s) for IMDG: Limited quantities for IMDG:

Tanks and bulk Provisions:

IBC Instructions:

Stowage and segregation for IMDG:

IMO tank instructions:

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

Inland waterway transport (ADN)	
Classification Code ADN:	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: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 :ERG code:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

• 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

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

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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 :MICROPLATE-P3NP-ELISACAS 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:

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

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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.

<u>Additional information:</u> 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). ;

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

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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 ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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 Biological limit values (Germany):
- 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>

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

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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	grange (°C)						
Flash point (°C)							
Evaporation rate (kg/m ² /h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:)(g/L)							
Partition coefficient (log P n-octanol/water at pH :	ow)						
Auto-ignition temperature	e (°C)						
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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:

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

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

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

Animal data:

Assessment / Classification:

• Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
 - \circ $\,$ 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

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

Designation / Commercial name : MICROPLATE-P3NP-ELISA Version: UK, Page 9 of 12, Revision date: 26/10/2023

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

11.1.1 <u>Mixtures</u> 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:

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

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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	

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:
Mixed packing provisions:	
Portable tanks and bulk containers Instructions:	
Portable tanks and bulk containers Special Provision	ons:
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, unloadi	ng and handling:
Special Provisions for carriage Operation:	
Hazard identification No:	Transport category (Tunnel restriction code):
<u>Sea transport (IMDG)</u>	
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 : Stowa	ge 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:

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



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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 :Passenger and Cargo Aircraft Maximal Net Quantity :Cargo Aircraft only 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 <u>EU regulations</u>

• 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 : CAL1-P3NP-ELISA Version: UK, Page 1 of 15, Revision date: 07/09/2023

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

REACH No:

1.1 Product identifier:

Designation / Commercial name :CAL1-P3NP-ELISACAS No.:Index No:EC 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 Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364 P501

2.2 Label elements

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

Product identifier: Designation / Commercial name : CAL1-P3NP-ELISA

Designation / Commercial name : CAL1-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°
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:

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:

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

Designation / Commercial name : CAL1-P3NP-ELISA Version: UK, Page 3 of 15, 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		< 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 : $C \ge , 6 \%$ Skin Irrit. 2 H315: ,06 % $\le C < , 6 \%$ Eye Dam. 1 : $C \ge , 6 \%$ Eye Irrit. 2 H319: ,06 % $\le C < , 6 \%$ Skin Sens. 1A : $C \ge ,0015 \%$	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:

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

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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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

7.3 Specific end uses:

Recommendations on specific end uses:

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

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• France

Source :	Informations rel	nformations 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 :	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 :	ist 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 Exposure limits at intended use (Germany):

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	GESTIS – substance database											
Substance	EC-No.	. CAS-No Acute – dermal, local effects (mg/kg/day) (mg/kg/day) Long-term – dermal, local effects (mg/kg/day) (mg/kg/day) Acute – inhalation, local effects (mg/kg/day)		systemic etterts	Long-term – inhalation, systemic effects (mg/m3)								
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

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

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Source :	GESTIS – s	ubstance da	tabase						
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	freshwater		marine water		intermittent release		freshwater			marine water		ter			
Substance EC-No.	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)
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 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

<u>Appearance</u>

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	g range (°C)						
Flash point (°C)							
Evaporation rate (kg/m ² /l	n)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
	Vapour pressure (kPa)						
Vapour density (g/cm ³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
Solubility (Type :) (g/L)	Critical density (g/cm ³)						
Solubility (Type .) (g/L)							
Partition coefficient (log F n-octanol/water at pH :	Pow)						
Auto-ignition temperature	e (°C)						
	Decomposition temperature (°C) Decomposition energy : kJ						
Viscosity	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available
according to Regulation (EC) No 1907/2006 (REACH)

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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

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

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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:

o 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:

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

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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 <u>Mixtures</u> 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 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									

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

Designation / Commercial name : CAL1-P3NP-ELISA Version: UK, Page 12 of 15, Revision date: 07/09/2023

Acute (short-term) toxicity to crustacea

Source :	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 Remark			
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.	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	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 Ren							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	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	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 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						

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

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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 type	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: 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:

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

Designation / Commercial name : CAL1-P3NP-ELISA Version: UK, Page 14 of 15, Revision date: 07/09/2023

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

> Subsidiary risk(s) for IMDG: Limited quantities for IMDG:

IBC Instructions:

Stowage and segregation for IMDG:

IMO tank instructions:

Tanks and bulk Provisions:

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

Inland waterway transport (ADN)Classification Code ADN: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: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 :ERG code:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

• 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

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

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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-ELISACAS 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 Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364
			P501

2.2 Label elements

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

Product identifier: Designation / Commercial name : CAL2-P3NP-ELISA

Designation / Commercial name : CAL2-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°
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:

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:

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

Designation / Commercial name : CAL2-P3NP-ELISA Version: UK, Page 3 of 15, 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		< 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 : $C \ge , 6 \%$ Skin Irrit. 2 H315: ,06 % $\le C < , 6 \%$ Eye Dam. 1 : $C \ge , 6 \%$ Eye Irrit. 2 H319: ,06 % $\le C < , 6 \%$ Skin Sens. 1A : $C \ge ,0015 \%$	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:

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

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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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

7.3 Specific end uses:

Recommendations on specific end uses:

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

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• France

Source :	Informations rel	Informations relatives à la réglementation VME (France) : ED 984, 07.2012							
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 Iune 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, BA	AL		
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 :	Dccupational 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	t 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 Exposure limits at intended use (Germany):

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	ESTIS – substance database												
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	systemic etterts	Acute – inhalation, local effects (mg/m3)	systemic etterts	Long-term – inhalation, local effects (mg/m3)	systemic etterts					
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

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

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Source :	GESTIS – s	ubstance da	tabase						
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)	systemic effects	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																
						PN	EC AQUA	TIC					PNEC Sediment				
Substance	EC-No.	CAS-No		freshwate	r	m	arine wat	er	interr	nittent re	lease	fı	reshwate	er	ma	arine wat	ter
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)
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 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	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/m ² /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/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:)(g/L)							
Partition coefficient (log Po n-octanol/water at pH :	ow)						
Auto-ignition temperature	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	/iscosity, dynamic (poiseuille)	1					
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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

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

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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)

• Germ cell mutagenicity:

Animal data:

Assessment / Classification:

o 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:

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

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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 <u>Mixtures</u> 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 :	ource : 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 :	purce : Informations 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 Rema									
55965-84-9 / 247-500-7	247-500-7	55965-84-9									

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

Designation / Commercial name : CAL2-P3NP-ELISA Version: UK, Page 12 of 15, Revision date: 07/09/2023

Acute (short-term) toxicity to crustacea

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

Chronic (long-term) toxicity to crustacea

Source :	ource : Informations 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 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 Rem										
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 :	rce : Informations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No.	EC-No. CAS-No Inoculum Biodegradation parameter 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						

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

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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 type	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: 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:

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

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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 Code: Vehicle for tank carriage: Special provisions for carriage Packages: Special provisions for carriage Bulk: Special provisions for carriage for loading, unloading and handling: Special Provisions for carriage Operation: Hazard identification No: Transport category (Tunnel restriction code):

> Subsidiary risk(s) for IMDG: Limited quantities for IMDG:

IBC Instructions:

Stowage and segregation for IMDG:

IMO tank instructions:

Tanks and bulk Provisions:

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

Inland waterway transport (ADN)Classification Code ADN: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: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 :ERG code:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

• 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

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

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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-ELISACAS 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 Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364 P501

2.2 Label elements

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

Product identifier: Designation / Commercial name : CAL3-P3NP-ELISA

Designation / Commercial name : CAL3-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°
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:

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:

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

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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 : $C \ge , 6 \%$ Skin Irrit. 2 H315: ,06 % $\le C < , 6 \%$ Eye Dam. 1 : $C \ge , 6 \%$ Eye Irrit. 2 H319: ,06 % $\le C < , 6 \%$ Skin Sens. 1A : $C \ge ,0015 \%$	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:

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

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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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

7.3 Specific end uses:

Recommendations on specific end uses:

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

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• France

Source :	Informations rel	Informations relatives à la réglementation VME (France) : ED 984, 07.2012						
Substance	EC-No.	D. 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 Iune 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 :	ist 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 Exposure limits at intended use (Germany):

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)	systemic etterts	Acute – inhalation, local effects (mg/m3)	systemic etterts	Long-term – inhalation, local effects (mg/m3)	systemic etterts
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

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

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Source :	GESTIS – s	ubstance da	tabase						
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)	systemic effects	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	fresh		freshwate	r	m	arine water intermittent release		fı	reshwate	er	ma	arine wat	ter				
Substance EC-No.	EC-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 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

<u>Appearance</u>

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/m ² /h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	or explosive (%)						
	Lower explosive limit (%)						
apour pressure (kPa)							
Vapour density (g/cm ³)	/apour density (g/cm³)						
	Density (g/cm ³)						
Densities F	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:)(g/L)							
Partition coefficient (log Pontition coefficient (log Pontition coefficient (log Pontition coefficient (log Pontition coefficient coeffici	w)						
Auto-ignition temperature	(°C)						
Decomposition temperatu Decomposition energy : k							
Viscosity	/iscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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

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

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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)

• Germ cell mutagenicity:

Animal data:

Assessment / Classification:

o 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:

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

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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 <u>Mixtures</u> 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 :	Informatio	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	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								

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

Designation / Commercial name : CAL3-P3NP-ELISA Version: UK, Page 12 of 15, Revision date: 07/09/2023

Acute (short-term) toxicity to crustacea

Source :	Information	formations 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	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								

Acute (short-term) toxicity to algae and cyanobacteria

Source :	Informations	formations 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	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	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.	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						

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

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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 type	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: 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:

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

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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 Code: Vehicle for tank carriage: Special provisions for carriage Packages: Special provisions for carriage Bulk: Special provisions for carriage for loading, unloading and handling: Special Provisions for carriage Operation: Hazard identification No: Transport category (Tunnel restriction code):

> Subsidiary risk(s) for IMDG: Limited quantities for IMDG:

IBC Instructions:

Stowage and segregation for IMDG:

IMO tank instructions:

Tanks and bulk Provisions:

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

Inland waterway transport (ADN)Classification Code ADN: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: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 :ERG code:Cargo Aircraft Orly Packaging Instructions :Cargo Aircraft only Maximal Net Quantity :Cargo Aircraft Orly Packaging Instructions :Passenger Aircraft Orly Packaging Instructions :Passenger Aircraft Orly Packaging Instructions :Cargo Aircraft Orly Maximal Net Quantity :Cargo Aircraft

SECTION 15 : REGULATORY INFORMATION

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

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

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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-ELISACAS 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 Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364 P501

2.2 Label elements

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

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°
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:

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:

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

Designation / Commercial name : CAL4-P3NP-ELISA Version: UK, Page 3 of 15, 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		< 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 : $C \ge , 6 \%$ Skin Irrit. 2 H315: ,06 % $\le C < , 6 \%$ Eye Dam. 1 : $C \ge , 6 \%$ Eye Irrit. 2 H319: ,06 % $\le C < , 6 \%$ Skin Sens. 1A : $C \ge ,0015 \%$	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:

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

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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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

7.3 Specific end uses:

Recommendations on specific end uses:

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

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• France

Source :	Informations rel	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 Exposure limits at intended use (Germany):

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	SESTIS – substance database							
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	systemic etterts	Acute – inhalation, local effects (mg/m3)	systemic etterts	Long-term – inhalation, local effects (mg/m3)	systemic etterts
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

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

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Source :	GESTIS – s	ESTIS – 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)	systemic effects	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	Substance EC-No. CA	CAS-No		freshwater		marine water		intermittent release		freshwater		ma	arine wat	ter			
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)
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-N	EC-No.	CAS-No	PNEC soil			PNEC s	C 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	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/m ² /h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm³)							
	Density (g/cm ³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:)(g/L)							
Partition coefficient (log Pontition coefficient (log Pontition coefficient (log Pontition coefficient (log Pontition coefficient coeffici	w)						
Auto-ignition temperature	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	Viscosity Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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

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

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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)

• Germ cell mutagenicity:

Animal data:

Assessment / Classification:

o 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:

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

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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 <u>Mixtures</u> 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 :	Informatio	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	oformations 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											

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

Designation / Commercial name : CAL4-P3NP-ELISA Version: UK, Page 12 of 15, Revision date: 07/09/2023

Acute (short-term) toxicity to crustacea

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

Chronic (long-term) toxicity to crustacea

Source :	Informations 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 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 Rer						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.	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 :	rce : Informations relatives à la réglementation VME (France) : ED 984, 07.2012									
Substance	EC-No. 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						

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

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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 type	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: 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:

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

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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 Code: Vehicle for tank carriage: Special provisions for carriage Packages: Special provisions for carriage Bulk: Special provisions for carriage for loading, unloading and handling: Special Provisions for carriage Operation: Hazard identification No: Transport category (Tunnel restriction code):

> Subsidiary risk(s) for IMDG: Limited quantities for IMDG:

IBC Instructions:

Stowage and segregation for IMDG:

IMO tank instructions:

Tanks and bulk Provisions:

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

Inland waterway transport (ADN)Classification Code ADN: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: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 :ERG code:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

• 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

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

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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-ELISACAS 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 Sens. 1A	H317	P261 P272 P280 P302 + P352 P321 P333 + P313 P362 + P364 P501

2.2 Label elements

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

Product identifier: Designation / Commercial name : CAL5-P3NP-ELISA

Designation / Commercial name : CAL5-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°
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:

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:

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

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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 : $C \ge , 6 \%$ Skin Irrit. 2 H315: ,06 % $\le C < , 6 \%$ Eye Dam. 1 : $C \ge , 6 \%$ Eye Irrit. 2 H319: ,06 % $\le C < , 6 \%$ Skin Sens. 1A : $C \ge ,0015 \%$	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:

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

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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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

7.3 Specific end uses:

Recommendations on specific end uses:

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

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• France

Source :	Informations rel	formations relatives à la réglementation VME (France) : ED 984, 07.2012											
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 :		nites de Exposicion Profesional para Agentes Quimicos en Espana stituto 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 heal	lth-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 Exposure limits at intended use (Germany):

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)	lermal, local dermal, effects systemic effects		systemic etterts	Long-term – inhalation, local effects (mg/m3)	systemic etterts
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

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

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Source :	GESTIS – s	ubstance da	tabase						
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)	systemic effects	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			arine wat	er	interr	nittent re	lease	fı	reshwate	er	ma	arine wat	ter		
Substance	ance EC-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 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

<u>Appearance</u>

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 point/boiling							
Flash point (°C)							
Evaporation rate (kg/m ² /l							
Flammability (type :) (%)							
Upper/lower flammability or explosive	ability or explosive (%)						
Lower explosive limit (%)							
Vapour pressure (kPa)							
Vapour density (g/cm ³)	Vapour density (g/cm³)						
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
Solubility (Type :) (g/L)	Critical density (g/cm ³)						
Solubility (Type :) (g/L)							
Partition coefficient (log F n-octanol/water at pH :	Pow)						
Auto-ignition temperature	e (°C)						
	Decomposition temperature (°C) Decomposition energy : kJ						
Viscosity	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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

Substances

• 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

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

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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)

• Germ cell mutagenicity:

Animal data:

Assessment / Classification:

o 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:

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

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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 <u>Mixtures</u> 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 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									

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

Designation / Commercial name : CAL5-P3NP-ELISA Version: UK, Page 12 of 15, Revision date: 07/09/2023

Acute (short-term) toxicity to crustacea

Source :	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 Remark			
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.	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 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							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.	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 Biodegradation Degradation parameter 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						

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

Designation / Commercial name : CAL5-P3NP-ELISA Version: UK, Page 13 of 15, Revision date: 07/09/2023

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 type	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: 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:

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

Designation / Commercial name : CAL5-P3NP-ELISA Version: UK, Page 14 of 15, Revision date: 07/09/2023

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

> Subsidiary risk(s) for IMDG: Limited quantities for IMDG:

IBC Instructions:

Stowage and segregation for IMDG:

IMO tank instructions:

Tanks and bulk Provisions:

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

Inland waterway transport (ADN)Classification Code ADN: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: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 :ERG code:Cargo Aircraft Orly Packaging Instructions :Cargo Aircraft only Maximal Net Quantity :Cargo Aircraft Orly Packaging Instructions :Passenger Aircraft Orly Packaging Instructions :Passenger Aircraft Orly Packaging Instructions :Cargo Aircraft Orly Maximal Net Quantity :Cargo Aircraft

SECTION 15 : REGULATORY INFORMATION

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

• 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

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

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-WASHCAS 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:

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

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:

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

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.;

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

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

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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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)

Designation / Commercial name : BLISTER-3-WASH 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)
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)

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)
Designation / Commercial name : BLISTER-3-WASH Version: UK, Page 6 of 13, Revision date: 07/09/2023

7 3	647-14-5 / 231-598-	231-598-3	7647-14-5		V
7 4	778-77-0 / 231-913-	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 Exposure limits at intended use (Germany):

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 DNEL/PNEC-values:

• DNEL worker

Source :	GESTIS – su	GESTIS – substance database												
Substance	EC-No. CAS-No local		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, systemic effects (mg/m3)	Long-term – inhalation, local effects (mg/m3)	Long-term – inhalation, systemic effects (mg/m3)					
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 – s	GESTIS – substance database												
Substance	EC-No. CAS-No local ef		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)	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												

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

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

DNEL remark:

• PNEC

Source :	INERIS																
				PNEC AQUATIC									PNEC Sediment				
Substance	EC-No.	CAS-No	freshwater		m	marine water		intermittent release		freshwater		marine water		ter			
Substance			(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.		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 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:

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

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

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

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
рН							
Melting point (°C)	Melting point (°C)						
Freezing point (°C)							
Initial boiling point/boilin	g range (°C)						
Flash point (°C)							
Evaporation rate (kg/m²/	h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits							
(1.5.)	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type :) (g/L)							
Partition coefficient (log n-octanol/water at pH :	Pow)						
Auto-ignition temperatur	e (°C)						
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	Viscosity, dynamic (poiseuille)	1					
	Viscosity, cinematic (cm ³ /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

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

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)

• Germ cell mutagenicity:

Animal data:

Assessment / Classification:

o Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence:

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

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)

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

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

11.1.1 <u>Mixtures</u> 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

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

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	

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

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:
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:
Mixed packing provisions:	
Portable tanks and bulk containers Instruction	
Portable tanks and bulk containers Special Pro	
ADR Tank Code:	ADR Tank special provisions:
Vehicle for tank carriage:	
Special provisions for carriage Packages:	
Special provisions for carriage Bulk:	and in a number of the second s
Special provisions for carriage for loading, unlo	oading and nandling:
Special Provisions for carriage Operation: Hazard identification No:	Transport estagons (Tunnal restriction code)
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 : Sto	owage 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:
<u> Air transport (ICAO-TI / IATA-DGR)</u>	
Subsidiary risk for IATA:	Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quantitie	es Packing Instructions:
Passenger and Cargo Aircraft Limited Quantitie	es Maximal Net Quantity :
Passenger and Cargo Aircraft Packaging Instru	ctions :
Passenger and Cargo Aircraft Maximal Net Qua	antity :
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 <u>EU regulations</u>

• Authorisations and/or restrictions on use:

Authorisations: Restrictions on use: SVHC :

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

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): Discontinue 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:

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

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:

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

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	231-639-5	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.;

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

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

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

<u>Protective measures:</u> 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. ; <u>Advice on general occupational hygiene</u> Handle in accordance with good industrial hygiene and safety practice ;

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. ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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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						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 :		ites de Exposicion Profesional para Agentes Quimicos en Espana cituto Nacional de Seguridad e Higiene en el Trabajo e 2015										
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											

• 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 Safe	ccupational 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 Biological limit values (Germany):

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Source :	List of recommended heal	ist of recommended health-based biological limit values (BLVs) and biological guidance values (BGVs), June 2014										
Substance	ce EC-No. CAS-No BLV (mg/m3) BLV (pp											
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	RGS 903, November 2015, BAuA										
Substance	EC-No.	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	TIS – 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					
7664-93-9 / 231-639-5	231-639-5	7664-93-9				0.1-0.1		0.05-0.05						

• DNEL consumer

Source :	GESTIS – s	ESTIS – substance database												
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																
Substance EC-No.				PNEC AQUATIC									Р	NEC Se	edimen	t	
	EC No		freshwater			m	marine water			intermittent release			reshwate	er	marine water		er
	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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Substance EC-No.			Others											
	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 Environmental exposure controls:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН		1					
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	Upper explosive limit (%)						
limits	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							
	Density (g/cm ³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:) (g/L)							
Partition coefficient (log Pow) n-octanol/water at pH :							
Auto-ignition temperature (°C)							



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				V
Decomposition temperature (°C) Decomposition energy : kJ				
Viscosity	Viscosity, dynamic (poiseuille)			
	Viscosity, cinematic (cm ³ /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:

Substance name Species Method Exposure time Result/evalu	ation Score Remark
--	--------------------

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

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		v (*
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)

• 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)
 - $\circ~$ STOT SE 1 and 2

Animal data:

Other information:

o 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 <u>Mixtures</u> 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:

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

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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

Packing instructions for IMDG:

IBC Instructions:

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:
Mixed packing provisions:	
Portable tanks and bulk containers Instructions:	
Portable tanks and bulk containers Special Provision	IS:
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	g 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:

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

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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 unloadi	ng: Provisions concerning carriage:
Number of blue cones/lights:	Remark:
Air transport (ICAO TI (IATA DCD)	
<u>Air transport (ICAO-TI / IATA-DGR)</u>	
Subsidiary risk for IATA:	Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quar	ntities Packing Instructions:

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 : ERG code: Cargo Aircraft only Maximal Net Quantity : Cargo Aircraft only Maximal Net Quantity :

SECTION 15 : REGULATORY INFORMATION

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

• 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:



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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:

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 ;

EC No:

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:

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

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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:

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

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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.

<u>Additional information:</u> 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). ;

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

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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 ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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 Biological limit values (Germany):
- 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>

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

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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

<u></u>	
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	g range (°C)						
Flash point (°C)							
Evaporation rate (kg/m²/ł	n)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
	Critical density (g/cm ³)						
Solubility (Type:)(g/L)							
Partition coefficient (log P n-octanol/water at pH :	ow)						
Auto-ignition temperature	e (°C)						
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	Viscosity, dynamic (poiseuille)				1		
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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:

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

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

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

Animal data:

Assessment / Classification:

• Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

- Specific target organ toxicity (single exposure)
 - \circ $\,$ 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

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

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

11.1.1 <u>Mixtures</u> 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:

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

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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. ;

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

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

Land transport (ADR/RID)					
Classification code ADR:	Special Provisions for ADR/RID:				
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:				
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:				
Mixed packing provisions:					
Portable tanks and bulk containers Instructions	:				
Portable tanks and bulk containers Special Provisions:					
ADR Tank Code:	ADR Tank special provisions:				
Vehicle for tank carriage:					
Special provisions for carriage Packages:					
Special provisions for carriage Bulk:					
Special provisions for carriage for loading, unlo	ading 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 : Sto	wage 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 Packaging Instructions :Passenger and Cargo Aircraft Maximal Net Quantity :Cargo Aircraft only 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 <u>EU regulations</u>

• 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:

Designation / Commercial name : TWEEN 20 TWEEN-1-3

CAS No.: Index No:

EC No:

REACH No:

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

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

Uses advised against:

1.3 Details of the supplier of the safety data sheet:

Supplier: Name: CISBIO BIOASSAYS, 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 : TWEEN 20 TWEEN-1-3

Substances contained in this product:

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

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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:

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

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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.

<u>Additional information:</u> 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). ;

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

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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 ; <u>Hints on storage assembly</u>: Materials to avoid: <u>Further information on storage conditions</u>:

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 Biological limit values (Germany):
- 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>

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

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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

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/boilir	g range (°C)						
Flash point (°C)							
Evaporation rate (kg/m ² /h)							
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)						
Critical density (g/cm ³)							
Solubility (Type:) (g/L)							
Partition coefficient (log Pow) n-octanol/water at pH :							
Auto-ignition temperature (°C)							
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
Oxidising properties							
Explosive properties							

9.2 Other information:

No other relevant data available

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

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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:

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

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

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

Animal data:

Assessment / Classification:

• Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

o Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

• Specific target organ toxicity (single exposure)

 \circ $\,$ 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

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

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

11.1.1 <u>Mixtures</u> 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:

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

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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. ;

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

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

Land transport (ADR/RID)					
Classification code ADR:	Special Provisions for ADR/RID:				
Limited quantities for ADR/RID:	Excepted Quantities for ADR/RID:				
Packing Instructions for ADR/RID:	Special packing provisions for ADR/RID:				
Mixed packing provisions:					
Portable tanks and bulk containers Instructions:					
Portable tanks and bulk containers Special Provisions:					
ADR Tank Code:	ADR Tank special provisions:				
Vehicle for tank carriage:					
Special provisions for carriage Packages:					
Special provisions for carriage Bulk:					
Special provisions for carriage for loading, unloa	ding 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 : Stow	e 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:				



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

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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 :ERG code:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

• 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):

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

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