

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

Trade name: P3NP (N-Terminal Procollagen III Peptide) ELISA / 30176061 Version: KIT, Page 1 of 1, Revision date: 20/03/2024

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
SUBS TMB	SUBS TMB	1	-	Colorless	Liquid
CONJ-P3NP-ELISA	CONJ-P3NP	1	-	Colorless	Liquid
MICROPLATE-P3NP-ELISA	P3NP-UPLATE	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 / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 1 of 11, Revision date: 29/02/2024

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

1.1 Product identifier:

Designation / Trade 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 in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 2 of 11, Revision date: 29/02/2024

Substances contained in this product:

Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

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

Adverse human health effects:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 3 of 11, Revision date: 29/02/2024

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. ; Additional information:

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). ;

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 4 of 11, Revision date: 29/02/2024

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 ;

<u>Advice on general occupational hygiene</u>: 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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;

Hints on storage assembly: Materials to avoid: Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 5 of 11, Revision date: 29/02/2024

8.1.2 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer
- PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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 Environmental exposure controls:

Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures): Measures related to the service life of the substance in articles:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
pН							
Melting point (°C)							
Freezing point (°C)							
Initial boiling point/boiling ra	ange (°C)						
Flash point (°C)	Flash point (°C)						
Evaporation rate (kg/m ² /h)	Evaporation rate (kg/m²/h)						
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
IIIIIIIS	Lower explosive limit (%)						
Vapour pressure (kPa)	Vapour pressure (kPa)						
Vapour density (g/cm ³)							



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				v
	Density (g/cm ³)			
Densities	5 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 tem	nperature (°C)			
Decomposition te	emperature (°C)			
Decomposition e	nergy : kJ			
Viscosity	Viscosity, dynamic (poiseuille)			
	Viscosity, cinematic (cm ³ /s)			
	Explosive properties			
	Oxidising 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. ; 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 7 of 11, Revision date: 29/02/2024

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:

• 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 8 of 11, Revision date: 29/02/2024

- 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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 9 of 11, Revision date: 29/02/2024

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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 10 of 11, Revision date: 29/02/2024

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:Transport category (Tunnel restriction code):

Sea transport (IMDG)

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

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

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

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:25/10/2023 Modifications:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONJ-P3NP-ELISA CONJ-P3NP Version: US, Page 11 of 11, Revision date: 29/02/2024

16.2 Abbreviations and acronyms:

- 16.3 Key literature references and sources for data
- 16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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



Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 1 of 11, Revision date: 24/10/2023

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

REACH No:

1.1 Product identifier:

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

CAS No.: Index 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 in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 2 of 11, Revision date: 24/10/2023

Substances contained in this product:

Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

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

Adverse human health effects:

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 3 of 11, 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. ; Additional information:

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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 4 of 11, 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 ;

<u>Advice on general occupational hygiene</u>: 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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;

Hints on storage assembly: Materials to avoid: Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 5 of 11, Revision date: 24/10/2023

8.1.2 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer
- PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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 Environmental exposure controls:

Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures): Measures related to the service life of the substance in articles:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

<u>Appearance</u>	
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 ra	ange (°C)						
Flash point (°C)							
Evaporation rate (kg/m²/h)							
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
IIIIIIIIS	Lower explosive limit (%)						
Vapour pressure (kPa)	Vapour pressure (kPa)						
Vapour density (g/cm³)							



Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 6 of 11, Revision date: 24/10/2023

	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 tempe	erature (°C)			
Decomposition tem	perature (°C)			
Decomposition ene	rgy: kJ			
Viscosity	Viscosity, dynamic (poiseuille)			
	Viscosity, cinematic (cm ³ /s)			
	Explosive properties			
	Oxidising 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. ; 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 7 of 11, Revision date: 24/10/2023

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:

• 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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

Animal data:

Other information:

o STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

• Specific target organ toxicity (repeated exposure)

Practical experience / human evidence: Animal data:

Assessment / Classification: Other information

• Aspiration hazard

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 9 of 11, Revision date: 24/10/2023

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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 10 of 11, Revision date: 24/10/2023

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:Transport category (Tunnel restriction code):

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

Properties and observations:

Subsidiary risk(s) for IMDG: Limited quantities for IMDG: IBC Instructions: IMO tank instructions: Tanks and bulk Provisions: Stowage and segregation for IMDG:

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:	
Carriage permitted: Provisions concerning loading and unloading: Provisions concerning carriage:	Excepted quantities ADN: Equipment required:

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 :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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT1-P3NP-ELISA CONT1-P3NP Version: US, Page 11 of 11, Revision date: 24/10/2023

16.2 Abbreviations and acronyms:

- 16.3 Key literature references and sources for data
- 16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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



Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 1 of 11, Revision date: 24/10/2023

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

1.1 Product identifier:

Designation / Trade 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 in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 2 of 11, Revision date: 24/10/2023

Substances contained in this product:

Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

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

Adverse human health effects:

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 3 of 11, 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. ; Additional information:

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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 4 of 11, 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 ;

<u>Advice on general occupational hygiene</u>: 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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;

Hints on storage assembly: Materials to avoid: Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 5 of 11, Revision date: 24/10/2023

8.1.2 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer
- PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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 Environmental exposure controls:

Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures): Measures related to the service life of the substance in articles:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

<u>Appearance</u>	
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 ra	ange (°C)						
Flash point (°C)							
Evaporation rate (kg/m ² /h)							
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
mmus	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							



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	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				
n-octanol/water at	рН :			
Auto-ignition tempe	erature (°C)			
Decomposition tem	perature (°C)			
Decomposition ene	rgy: kJ			
Viscosity	Viscosity, dynamic (poiseuille)			
	Viscosity, cinematic (cm ³ /s)			
	Explosive properties			
	Oxidising 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. ; 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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:

o Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 8 of 11, Revision date: 24/10/2023

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

Animal data:

Other information:

o STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

• Specific target organ toxicity (repeated exposure)

Practical experience / human evidence: Animal data:

Assessment / Classification: Other information

• Aspiration hazard

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 9 of 11, Revision date: 24/10/2023

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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 10 of 11, Revision date: 24/10/2023

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:Transport category (Tunnel restriction code):

Sea transport (IMDG)

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

Inland waterway transport (ADN)	
Classification Code ADN:	Special Prov
Limited quantities ADN:	Excepted qu
Carriage permitted:	Equipment r
Provisions concerning loading and unloading:	
Provisions concerning carriage:	Number of b
Remark:	

Special Provisions ADN: Excepted quantities ADN: Equipment required:

Number of blue cones/lights:

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 :Cargo Aircraft only Maximal Net Quantity :ERG code:Special Provisions for IATA:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CONT2-P3NP-ELISA CONT2-P3NP Version: US, Page 11 of 11, Revision date: 24/10/2023

16.2 Abbreviations and acronyms:

- 16.3 Key literature references and sources for data
- 16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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



Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 1 of 14, Revision date: 20/03/2024

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

1.1 Product identifier:

Designation / Trade 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 in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 2 of 14, Revision date: 20/03/2024

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 3 of 14, Revision date: 20/03/2024

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 4 of 14, Revision date: 20/03/2024

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. ; Additional information:

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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; <u>Hints on storage assembly:</u> Materials to avoid:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 5 of 14, Revision date: 20/03/2024

Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

Source :	Occupational Safe	ty and Health Admin	istration (OSHA) Permis	sible Exposure Limits (PEL	S) from 29 CFR 1910.100	00
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	231-598-3	7647-14-5				
7778-77-0 / 231-913- 4	231-913-4	7778-77-0				

Source :	TRGS 903, Novemb	oer 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		

8.1.2 <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 effects	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					2068.62- 2068.62		
7778-77-0/ 231-913-4	231-913-4	7778-77-0					4.07-4.07		

• DNEL consumer

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 6 of 14, Revision date: 20/03/2024

									\sim
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)	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							
7778-77-0/ 231-913-4	231-913-4	7778-77-0							

PNEC

Source :	INERIS																
				PNEC AQUATIC									P	NEC S	edimen	t	
Substance	EC-No.	. CAS-No freshwater		m	arine wat	ter	interr	intermittent release		fi	reshwate	er	ma	arine wat	er		
Substance	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													
		No. 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												

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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>

Consumer exposure control

<u>Measures related to consumer uses of the substance (as such or in mixtures):</u> <u>Measures related to the service life of the substance in articles:</u>

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 7 of 14, Revision date: 20/03/2024

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
		7,4						
Melting point (°C)								
Freezing point (°C))							
Initial boiling point	t/boiling r	range (°C)						
Flash point (°C)								
Evaporation rate (kg/m²/h)							
Flammability (type	e:)(%)							
Upper/lowe flammability or ex limits		Upper explosive limit (%)						
limits		Lower explosive limit (%)						
Vapour pressure (I	Vapour pressure (kPa)							
Vapour density (g/	Vapour density (g/cm³)							
Density (g/cm³)								
Densities		Relative density (g/cm ³)						
		Bulk density (g/cm³)						
		Critical density (g/cm ³)						
Solubility (Type :) (g/L)							
Partition coefficier n-octanol/water a		w)						
Auto-ignition temperature (°C)								
Decomposition temperature (°C) Decomposition energyː kJ								
Viscosity Viscosity, dynamic (poiseuille)								
	,	Viscosity, cinematic (cm ³ /s)						
	Explo	sive properties						
	Oxidi	sing 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 8 of 14, Revision date: 20/03/2024

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

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 9 of 14, Revision date: 20/03/2024

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:

Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

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

Animal data:

Other information:

O STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 10 of 14, Revision date: 20/03/2024

• 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 :	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									

Acute (short-term) toxicity to crustacea

Source :	purce : 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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 11 of 14, Revision date: 20/03/2024

								v			
Source :	ource : 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 :	ource : 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										

Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations rela	nformations relatives à la réglementation VME (France) : ED 984, 07.2012										
Substance	EC-No. CAS-No EC50 (mg/L) Species Method Remark General Re											
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	AS-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						

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				

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 12 of 14, Revision date: 20/03/2024

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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
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	15:
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):

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 13 of 14, Revision date: 20/03/2024

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

Subsidiary risk(s) for IMDG: Limited quantities for IMDG: **IBC Instructions:** IMO tank instructions: Tanks and bulk Provisions: Stowage and segregation for IMDG:

Inland waterway transport (ADN) Classification Code ADN: Limited quantities ADN: Carriage permitted: Provisions concerning loading and unloading: Provisions concerning carriage: Remark:

Special Provisions ADN: **Excepted quantities ADN:** Equipment required:

Number of blue cones/lights:

<u>Air transport (ICAO-TI / IATA-DGR)</u>

Subsidiary risk for IATA: Excepted quantity for IATA: Passenger and Cargo Aircraft Limited Quantities Packing Instructions: Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity : Passenger and Cargo Aircraft Packaging Instructions : Passenger and Cargo Aircraft Maximal Net Quantity : Cargo Aircraft only Packaging Instructions : Cargo Aircraft only Maximal Net Quantity : ERG code:

Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:05/02/2024 Modifications:

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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

Code Hazard statments

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: DIL CALO-P3NP-ELISA DIL CALO-P3NP Version: US, Page 14 of 14, Revision date: 20/03/2024

		v
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	



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 1 of 14, Revision date: 20/03/2024

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

1.1 Product identifier:

Designation / Trade name:CAL1-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 in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 2 of 14, Revision date: 20/03/2024

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 3 of 14, Revision date: 20/03/2024

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 4 of 14, Revision date: 20/03/2024

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. ; Additional information:

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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; <u>Hints on storage assembly:</u> Materials to avoid:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 5 of 14, Revision date: 20/03/2024

Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

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

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					

8.1.2 <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 effects	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					2068.62- 2068.62		
7778-77-0/ 231-913-4	231-913-4	7778-77-0					4.07-4.07		

• DNEL consumer

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 6 of 14, Revision date: 20/03/2024

									$\overline{}$					
Source :	GESTIS – s	TIS – 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												
7778-77-0 / 231-913-4	231-913-4	7778-77-0												

• PNEC

Source :	INERIS																
				PNEC AQUATIC									PNEC Sediment				
Substance EC-N	EC-No.	CAS-No		freshwater		m	marine water inter		termittent release		freshwater		marine water				
Substance	e 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 s	EC 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												

8.2 Exposure controls

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

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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>

Consumer exposure control

<u>Measures related to consumer uses of the substance (as such or in mixtures):</u> <u>Measures related to the service life of the substance in articles:</u>

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 7 of 14, Revision date: 20/03/2024

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Appeululiee	
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/bo	ling range (°C)						
Flash point (°C)							
Evaporation rate (kg/n	²/h)						
Flammability (type :) (%)						
Upper/lower flammability or explos limits	y or explosive (%)						
	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/	Critical density (g/cm ³)						
Partition coefficient (lo n-octanol/water at pH							
Auto-ignition tempera	ure (°C)						
	Decomposition temperature (°C) Decomposition energy : kJ						
Viscosity	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
	xplosive properties						
	Dxidising 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 8 of 14, Revision date: 20/03/2024

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

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 9 of 14, Revision date: 20/03/2024

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:

Other information:

O STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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

Chronic (long-term) fish toxicity

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

Acute (short-term) toxicity to crustacea

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

Chronic (long-term) toxicity to crustacea

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 11 of 14, Revision date: 20/03/2024

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

Acute (short-term) toxicity to algae and cyanobacteria

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

Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations rela	atives à la régleme	entation VME (Fr	rance) : 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	rmations 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						

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				

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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12.4 Mobility in soil

Source :											
Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
55965-84-9 / 247-500-7		55965- 84-9									

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
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	15:
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):

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL1-P3NP-ELISA Version: US, Page 13 of 14, Revision date: 20/03/2024

Sea transport (IMDG)
Marine Pollutant:
Packing provisions for IMDG:
Packing instructions for IMDG:
IBC Provisions:
UN tank instructions:
EmS :
Properties and observations:
Inland waterway transport (ADN)
Classification Code ADN:
Limited quantities ADN:
Carriage permitted:

Subsidiary risk(s) for IMDG: Limited quantities for IMDG: **IBC Instructions:** IMO tank instructions: Tanks and bulk Provisions: Stowage and segregation for IMDG:

Provisions concerning loading and unloading: Provisions concerning carriage: Remark:

Special Provisions ADN: **Excepted quantities ADN:** Equipment required:

Number of blue cones/lights:

<u>Air transport (ICAO-TI / IATA-DGR)</u>

Subsidiary risk for IATA: Excepted quantity for IATA: Passenger and Cargo Aircraft Limited Quantities Packing Instructions: Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity : Passenger and Cargo Aircraft Packaging Instructions : Passenger and Cargo Aircraft Maximal Net Quantity : Cargo Aircraft only Packaging Instructions : Cargo Aircraft only Maximal Net Quantity : ERG code:

Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:05/02/2024 Modifications:

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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

Code Hazard statments

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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		v
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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according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 1 of 14, Revision date: 20/03/2024

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

1.1 Product identifier:

Designation / Trade 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 in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 2 of 14, Revision date: 20/03/2024

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 3 of 14, Revision date: 20/03/2024

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 4 of 14, Revision date: 20/03/2024

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. ; Additional information:

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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; <u>Hints on storage assembly:</u> Materials to avoid:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

Source :	Occupational Safe	cupational 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	231-598-3	7647-14-5										
7778-77-0 / 231-913- 4	231-913-4	7778-77-0										

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										

8.1.2 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	STIS – substance database										
Substance	EC-No.	CAS-No	Acute – dermal, local effects (mg/kg/day)	Long-term – dermal, local effects (mg/kg/day)	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					2068.62- 2068.62					
7778-77-0/ 231-913-4	231-913-4	7778-77-0					4.07-4.07					

• DNEL consumer

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 6 of 14, Revision date: 20/03/2024

									\neg	
Source :	GESTIS – s	STIS – 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								
7778-77-0 / 231-913-4	231-913-4	7778-77-0								

PNEC

Source :	INERIS																
				PNEC AQUATIC									P	NEC S	edimen	t	
Substance	EC-No.	CAS-No	freshwater			m	marine water			intermittent release			freshwater			marine water	
Substance	20-100.		(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													

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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>

Consumer exposure control

<u>Measures related to consumer uses of the substance (as such or in mixtures):</u> <u>Measures related to the service life of the substance in articles:</u>

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 7 of 14, Revision date: 20/03/2024

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Appeululiee	
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 I	range (°C)						
Flash point (°C)								
Evaporation rate (k	(g/m²/h)							
Flammability (type	:) (%)							
Upper/lower flammability or exp limits		Upper explosive limit (%)						
limits		Lower explosive limit (%)						
Vapour pressure (kPa)								
Vapour density (g/cm ³)								
		Density (g/cm³)						
Densities		Relative density (g/cm ³)						
		Bulk density (g/cm³)						
		Critical density (g/cm ³)						
Solubility (Type:)	(g/L)							
Partition coefficien n-octanol/water at		w)						
Auto-ignition temp	erature	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ								
Viscosity	V	iscosity, dynamic (poiseuille)						
		Viscosity, cinematic (cm ³ /s)						
		sive properties						
	Oxidi	sing 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 8 of 14, Revision date: 20/03/2024

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

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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:

Other information:

O STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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• 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 i	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 Rem											
55965-84-9 / 247-500-7	247-500-7	55965-84-9										

Acute (short-term) toxicity to crustacea

Source :	Information	nformations 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 R								General Remark				
55965-84-9 / 247-500-7	247-500-7	55965-84-9											

Chronic (long-term) toxicity to crustacea

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 11 of 14, Revision date: 20/03/2024

								~			
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 :	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									

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.	CAS-No	EC50 (mg/L)	Species	Method	Remark	General Remark				
55965-84-9 / 247- 500-7	247-500-7	55965-84-9									

Assessment / Classification:

12.2 Persistence and degradability

Biodegradation:

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

Abiotic Degradation:

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

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				

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
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	ns:
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):

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL2-P3NP-ELISA Version: US, Page 13 of 14, Revision date: 20/03/2024

<u>Sea transport (IMDG)</u>
Marine Pollutant:
Packing provisions for IMDG:
Packing instructions for IMDG:
IBC Provisions:
UN tank instructions:
EmS :
Properties and observations:
Inland waterway transport (ADN)
Classification Code ADN:
Limited quantities ADN:
Carriage permitted:

Subsidiary risk(s) for IMDG: Limited quantities for IMDG: IBC Instructions: IMO tank instructions: Tanks and bulk Provisions: Stowage and segregation for IMDG:

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:05/02/2024 Modifications:

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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

Code Hazard statments	Code	Hazard statments
	coue	

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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	V
Toxic if swallowed	
Fatal in contact with skin	
Causes severe skin burns and eye damage.	
May cause an allergic skin reaction	
Causes serious eye damage.	
Fatal if inhaled	
Very toxic to aquatic life	
Very toxic to aquatic life with long lasting effects	
	Fatal in contact with skin Causes severe skin burns and eye damage. May cause an allergic skin reaction Causes serious eye damage. Fatal if inhaled Very toxic to aquatic life



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according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL3-P3NP-ELISA Version: US, Page 1 of 14, Revision date: 20/03/2024

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

1.1 Product identifier:

Designation / Trade 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 in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL3-P3NP-ELISA Version: US, Page 2 of 14, Revision date: 20/03/2024

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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. ; Additional information:

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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; <u>Hints on storage assembly:</u> Materials to avoid:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• 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)							
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 :	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								

8.1.2 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	ıbstance dat	abase						
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
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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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									\neg
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)	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							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

PNEC

Source :	INERIS																
						PN	EC AQUA	TIC					P	NEC S	edimen	t	
Substance	EC-No.	CAS-No		freshwate	r	m	arine wat	ter	interr	intermittent release		fi	reshwate	er	ma	arine wat	ær
Substance	Le no.		(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)	(mg/L)	(mg/kg)	(ppm)
7647-14-5 / 231-598- 3	231-598-3	7647-14-5															
7778-77-0 / 231-913- 4	231-913-4	7778-77-0															

Source :	INERIS													
	EC-No.							Oth	ers					
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												

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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>

Consumer exposure control

<u>Measures related to consumer uses of the substance (as such or in mixtures):</u> <u>Measures related to the service life of the substance in articles:</u>

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

			Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН	Hc							
Melting point (°C)								
Freezing point (°C)								
Initial boiling point	/boiling I	range (°C)						
Flash point (°C)								
Evaporation rate (k	(g/m²/h)							
Flammability (type	:) (%)							
Upper/lower flammability or exp limits		Upper explosive limit (%)						
limits		Lower explosive limit (%)						
Vapour pressure (k	(Pa)							
Vapour density (g/	cm³)							
		Density (g/cm³)						
Densities		Relative density (g/cm ³)						
		Bulk density (g/cm³)						
		Critical density (g/cm ³)						
Solubility (Type:)	(g/L)							
Partition coefficien n-octanol/water at		w)						
Auto-ignition temp	erature	(°C)						
Decomposition temperature (°C) Decomposition energy : kJ								
Viscosity	Viscosity Viscosity, dynamic (poiseuille)							
		Viscosity, cinematic (cm ³ /s)						
		sive properties						
	Oxidi	sing 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL3-P3NP-ELISA Version: US, Page 8 of 14, Revision date: 20/03/2024

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

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL3-P3NP-ELISA Version: US, Page 9 of 14, Revision date: 20/03/2024

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:

Other information:

O STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL3-P3NP-ELISA Version: US, Page 10 of 14, Revision date: 20/03/2024

• 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 :	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 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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL3-P3NP-ELISA Version: US, Page 11 of 14, Revision date: 20/03/2024

								~				
Source :	rce : 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	nformations 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.	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	oformations 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						

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				

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
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	1S :
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):

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL3-P3NP-ELISA Version: US, Page 13 of 14, Revision date: 20/03/2024

Sea transport (IMDG)
Marine Pollutant:
Packing provisions for IMDG:
Packing instructions for IMDG:
IBC Provisions:
UN tank instructions:
EmS :
Properties and observations:
Inland waterway transport (ADN)
Classification Code ADN:
Limited quantities ADN:

Special Provisions ADN: Provisions concerning loading and unloading:

Excepted quantities ADN: Equipment required:

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

Stowage and segregation for IMDG:

IBC Instructions: IMO tank instructions: Tanks and bulk Provisions:

Number of blue cones/lights:

<u>Air transport (ICAO-TI / IATA-DGR)</u>

Provisions concerning carriage:

Carriage permitted:

Remark:

Subsidiary risk for IATA: Excepted quantity for IATA: Passenger and Cargo Aircraft Limited Quantities Packing Instructions: Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity : Passenger and Cargo Aircraft Packaging Instructions : Passenger and Cargo Aircraft Maximal Net Quantity : Cargo Aircraft only Packaging Instructions : Cargo Aircraft only Maximal Net Quantity : ERG code:

Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:05/02/2024 Modifications:

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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

Code Hazard statments

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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	V
Toxic if swallowed	
Fatal in contact with skin	
Causes severe skin burns and eye damage.	
May cause an allergic skin reaction	
Causes serious eye damage.	
Fatal if inhaled	
Very toxic to aquatic life	
Very toxic to aquatic life with long lasting effects	
	Fatal in contact with skin Causes severe skin burns and eye damage. May cause an allergic skin reaction Causes serious eye damage. Fatal if inhaled Very toxic to aquatic life



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according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 1 of 14, Revision date: 20/03/2024

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

1.1 Product identifier:

Designation / Trade 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 in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier: Designation / Trade name: CAL4-P3NP-ELISA

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 2 of 14, Revision date: 20/03/2024

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 3 of 14, Revision date: 20/03/2024

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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. ; Additional information:

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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; <u>Hints on storage assembly:</u> Materials to avoid:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• 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)					
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 :	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							

8.1.2 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	ıbstance dat	abase						
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
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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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									\neg
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)	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							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

PNEC

Source :	INERIS																
				PNEC AQUATIC								PNEC Sediment					
Substance	EC-No.	CAS-No		freshwate	r	m	marine water		intermittent release		f	reshwate	er	marine water			
Substance	Le 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												

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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>

Consumer exposure control

<u>Measures related to consumer uses of the substance (as such or in mixtures):</u> <u>Measures related to the service life of the substance in articles:</u>

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Appeululiee	
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 I	range (°C)						
Flash point (°C)								
Evaporation rate (k	(g/m²/h							
Flammability (type	:) (%)							
Upper/lower flammability or exp limits		Upper explosive limit (%)						
limits		Lower explosive limit (%)						
Vapour pressure (k	(Pa)							
Vapour density (g/	cm³)							
		Density (g/cm³)						
Densities		Relative density (g/cm ³)						
		Bulk density (g/cm³)						
		Critical density (g/cm ³)						
Solubility (Type:)	(g/L)							
Partition coefficien n-octanol/water at		w)						
Auto-ignition temp	erature	(°C)						
Decomposition ten Decomposition ene		e (°C)						
Viscosity	V	iscosity, dynamic (poiseuille)						
		Viscosity, cinematic (cm ³ /s)						
		sive properties						
	Oxidi	sing 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 8 of 14, Revision date: 20/03/2024

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

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 9 of 14, Revision date: 20/03/2024

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:

Other information:

O STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 10 of 14, Revision date: 20/03/2024

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

Chronic (long-term) fish toxicity

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

Source :	Information	mations 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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 11 of 14, Revision date: 20/03/2024

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

Acute (short-term) toxicity to algae and cyanobacteria

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

Toxicity to microorganisms and other aquatic plants / organisms

Source :	Informations rela	ormations relatives à la réglementation VME (France) : ED 984, 07.2012							
Substance	EC-No.	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	relatives à la ré	glementation VMI	E (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						

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				

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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12.4 Mobility in soil

Source :											
Substance	EC n°	CAS n°	Distribution	Transport	Henry's law constant (Pa.m3/mol)	Log KOC	Half-life time in soil (j)	Half-life time in fresh water (j)	Half-life time in sea water (j)	Method	Remark
55965-84-9 / 247-500-7		55965- 84-9									

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
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	15:
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):

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 13 of 14, Revision date: 20/03/2024

Sea transport (IMDG)	
Marine Pollutant:	Subsidiary risk(s) for IMDG:
Packing provisions for IMDG:	Limited quantities for IMDG:
Packing instructions for IMDG:	IBC Instructions:
IBC Provisions:	IMO tank instructions:
UN tank instructions:	Tanks and bulk Provisions:
EmS :	Stowage and segregation for IMDG:
Properties and observations:	
Inland waterway transport (ADN)	
Classification Code ADN:	Special Provisions ADN:
Limited quantities ADN:	Excepted quantities ADN:
Carriage permitted:	Equipment required:
Provisions concerning loading and unloading:	
Provisions concerning carriage:	Number of blue cones/lights:
Remark:	

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

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:05/02/2024 Modifications:

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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

Code Hazard statments	Code	Hazard statments
	eoue	

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL4-P3NP-ELISA Version: US, Page 14 of 14, Revision date: 20/03/2024

	· · · · · · · · · · · · · · · · · · ·	
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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according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 1 of 14, Revision date: 20/03/2024

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

1.1 Product identifier:

Designation / Trade 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 in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 2 of 14, Revision date: 20/03/2024

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 3 of 14, Revision date: 20/03/2024

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

Substance name	CAS n°	Index n°	EC n°	Classification in accordance with 29 CFR 1910 (OSHA HCS)	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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 4 of 14, Revision date: 20/03/2024

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. ; Additional information:

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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; <u>Hints on storage assembly:</u> Materials to avoid:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• 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)					
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 :	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							

8.1.2 <u>DNEL/PNEC-values:</u>

• DNEL worker

Source :	GESTIS – su	ıbstance dat	abase						
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
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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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									\neg
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)	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							
7778-77-0 / 231-913-4	231-913-4	7778-77-0							

PNEC

Source :	INERIS																
						PN	ec aqua	TIC					P	NEC S	edimen	t	
Substance	ubstance EC-No. CAS-No	CAS-No		freshwate	r	m	arine wat	ter	interr	intermittent release		freshwater		marine water			
Substance	Le 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													
								Oth	ers					
Substance EC-No.	CAS-No	o 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												

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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>

Consumer exposure control

<u>Measures related to consumer uses of the substance (as such or in mixtures):</u> <u>Measures related to the service life of the substance in articles:</u>

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН							
pH Melting point (°C)							
Freezing point (°C)							
Initial boiling point/bo	ling range (°C)						
Flash point (°C)							
Evaporation rate (kg/n	²/h)						
Flammability (type :) (%)						
Upper/lower flammability or explos limits	Vpper explosive limit ve (%)						
	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm³)							
	Density (g/cm³)						
Densities	Relative density (g/cm ³)						
	Bulk density (g/cm ³)			_			
Solubility (Type :) (g/	Critical density (g/cm ³)						
Partition coefficient (lo n-octanol/water at pH							
Auto-ignition tempera	ure (°C)						
Decomposition temperature (°C) Decomposition energy : kJ							
Viscosity	Viscosity, dynamic (poiseuille)						
	Viscosity, cinematic (cm ³ /s)						
	xplosive properties						
	Dxidising 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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

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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 9 of 14, Revision date: 20/03/2024

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:

Other information:

O STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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

Chronic (long-term) fish toxicity

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

Source :	Information	rmations 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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 11 of 14, Revision date: 20/03/2024

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

Acute (short-term) toxicity to algae and cyanobacteria

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

Toxicity to microorganisms and other aquatic plants / organisms

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

Assessment / Classification:

12.2 Persistence and degradability

Biodegradation:

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

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				

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 12 of 14, Revision date: 20/03/2024

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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

Land transport (ADR/RID)	
Classification code ADR:	Special Provisions for ADR/RID:
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	1S :
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):

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 13 of 14, Revision date: 20/03/2024

<u>Sea transport (IMDG)</u>
Marine Pollutant:
Packing provisions for IMDG:
Packing instructions for IMDG:
IBC Provisions:
UN tank instructions:
EmS :
Properties and observations:
Inland waterway transport (ADN)
Classification Code ADN:
Limited guantities ADN:

Limited quantities ADN: Carriage permitted: Provisions concerning loading and unloading: Provisions concerning carriage: Remark:

Special Provisions ADN:

Stowage and segregation for IMDG:

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

IBC Instructions: IMO tank instructions: Tanks and bulk Provisions:

Excepted quantities ADN: Equipment required:

Number of blue cones/lights:

<u>Air transport (ICAO-TI / IATA-DGR)</u>

Subsidiary risk for IATA: Excepted quantity for IATA: Passenger and Cargo Aircraft Limited Quantities Packing Instructions: Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity : Passenger and Cargo Aircraft Packaging Instructions : Passenger and Cargo Aircraft Maximal Net Quantity : Cargo Aircraft only Packaging Instructions : Cargo Aircraft only Maximal Net Quantity : ERG code:

Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:05/02/2024 Modifications:

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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

Code Hazard statments		Code	Hazard statments
	L		

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: CAL5-P3NP-ELISA Version: US, Page 14 of 14, Revision date: 20/03/2024

		V
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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according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 1 of 11, Revision date: 11/04/2024

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

1.1 Product identifier:

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE

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 in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 2 of 11, Revision date: 11/04/2024

Substances contained in this product:

Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

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

Adverse human health effects:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 3 of 11, Revision date: 11/04/2024

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. ; Additional information:

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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 4 of 11, Revision date: 11/04/2024

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 ;

<u>Advice on general occupational hygiene</u>: 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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;

Hints on storage assembly: Materials to avoid: Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 5 of 11, Revision date: 11/04/2024

8.1.2 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer
- PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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 Environmental exposure controls:

Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures): Measures related to the service life of the substance in articles:

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 ra	ange (°C)						
Flash point (°C)							
Evaporation rate (kg/m ² /h)							
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
iiiiiits	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm³)							



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 6 of 11, Revision date: 11/04/2024

	Density (g/cm ³)			
Densities	Relative density (g/cm ³)			
	Bulk density (g/cm ³)			
	Critical density (g/cm ³)			
olubility (Type :)	(g/L)			
Partition coefficient (log Pow)				
-octanol/water at	рН :			
uto-ignition tempe	erature (°C)			
Decomposition tem	perature (°C)			
Decomposition ene	rgy: kJ			
Viscosity	Viscosity, dynamic (poiseuille)			
	Viscosity, cinematic (cm ³ /s)			
	Explosive properties			
Oxidising 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. ; 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 7 of 11, Revision date: 11/04/2024

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:

o Reproductive toxicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

Overall assessment on CMR properties:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 8 of 11, Revision date: 11/04/2024

- 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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 9 of 11, Revision date: 11/04/2024

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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 10 of 11, Revision date: 11/04/2024

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:Transport category (Tunnel restriction code):

Sea transport (IMDG)

Marine Pollutant:SuPacking provisions for IMDG:LinPacking instructions for IMDG:IBIBC Provisions:INUN tank instructions:TaEmS :StProperties and observations:St

Subsidiary risk(s) for IMDG: Limited quantities for IMDG: IBC Instructions: IMO tank instructions: Tanks and bulk Provisions: Stowage and segregation for IMDG:

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

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

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version: Modifications:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MICROPLATE-P3NP-ELISA P3NP-UPLATE Version: US, Page 11 of 11, Revision date: 11/04/2024

16.2 Abbreviations and acronyms:

- 16.3 Key literature references and sources for data
- 16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, 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 / Trade name:BLISTER-3-WASHCAS No.:Index No:EC No:REACH 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 in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

<u>Product identifier:</u> Designation / Trade name: BLISTER-3-WASH

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 2 of 12, Revision date: 07/09/2023

Substances contained in this product:

Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

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

Adverse human health effects:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 3 of 12, 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 in accordance with 29 CFR 1910 (OSHA HCS)	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. ; Additional information:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 4 of 12, 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>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:

• OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 5 of 12, Revision date: 07/09/2023

Source :	Occupational Safe	cupational 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	231-598-3	7647-14-5										
7778-77-0 / 231-913- 4	231-913-4	7778-77-0										

Source :	TRGS 903, November 2015, BAuA								
Substance	EC-No.	CAS-No	BGW (mg/m3)	BGW (ppm)					
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>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)	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 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

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 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							

• PNEC

Source :	INERIS						
Cubatanaa	EC-No.	CAS-No		PNEC AQUATIC		PNEC Se	ediment
Substance	EC-INO.	CAS-INO	freshwater	marine water	intermittent release	freshwater	marine water



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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1	1	l	1	l						ľ							íı
			(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													
								Oth	ers					
Substance EC-No.	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												

8.2 Exposure controls

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

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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:

Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures): Measures related to the service life of the substance in articles:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

	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)					



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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					v
Evaporation rate	e (kg/m²/h)				
Flammability (typ	pe :) (%)				
Upper/low flammability or e limits		Upper explosive limit (%)			
	Lower explosive limit (%)				
Vapour pressure	e (kPa)				
Vapour density (g/cm³)				
		Density (g/cm³)			
Densities	S	Relative density (g/cm ³)			
		Bulk density (g/cm³)			
		Critical density (g/cm ³)			
Solubility (Type :	:) (g/L)				
Partition coefficion n-octanol/water		v)			
Auto-ignition ten	mperature ('	°C)			
Decomposition temperature (°C) Decomposition energy : kJ					
Viscosity	Vi	scosity, dynamic (poiseuille)			
	V	<pre>/iscosity, cinematic (cm³/s)</pre>			
	Explos	sive properties			
	Oxidis	ing 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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 8 of 12, Revision date: 07/09/2023

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:

• Carcinogenicity

Practical experience / human evidence: Animal data:

Other information: Assessment / Classification:

• Reproductive toxicity

Practical experience / human evidence: Animal data:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 9 of 12, Revision date: 07/09/2023

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

Acute (short-term) toxicity to crustacea

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 10 of 12, Revision date: 07/09/2023

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. ;

Other disposal recommendations: Additional information:

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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: BLISTER-3-WASH Version: US, Page 11 of 12, 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 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, unload	ing 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 :	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:	-4
Provisions concerning carriage:	Number of blue cones/lights:
Remark:	
Air transport (ICAO-TI / IATA-DGR)	
Subsidiary risk for IATA:	Excepted quantity for IATA:
Passenger and Cargo Aircraft Limited Quantities P	acking Instructions:

Subsidiary risk for IATA:Excepted quantity for IATA:Passenger and Cargo Aircraft Limited Quantities Packing Instructions:Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity :Passenger and Cargo Aircraft Packaging Instructions :Passenger and Cargo Aircraft Maximal Net Quantity :Cargo Aircraft only Packaging Instructions :Cargo Aircraft only Packaging Instructions :Cargo Aircraft only Maximal Net Quantity :ERG code:

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:06/09/2023 Modifications:

- 16.2 Abbreviations and acronyms:
- 16.3 Key literature references and sources for data
- 16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: SUBS TMB SUBS TMB Version: US, Page 1 of 11, Revision date: 05/02/2024

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

1.1 Product identifier:

Designation / Trade name: SUBS TMBSUBS TMBCAS 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 in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:

Designation / Trade name: SUBS TMB SUBS TMB

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: SUBS TMB SUBS TMB Version: US, Page 2 of 11, Revision date: 05/02/2024

Substances contained in this product:

Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

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

Adverse human health effects:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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. ; Additional information:

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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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 ;

<u>Advice on general occupational hygiene</u>: 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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;

Hints on storage assembly: Materials to avoid: Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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8.1.2 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer
- PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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 Environmental exposure controls:

Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures): Measures related to the service life of the substance in articles:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН							
Melting point (°C)							
Freezing point (°C)							
Initial boiling point/boiling range (°C)							
Flash point (°C)							
Evaporation rate (kg/m ² /h)							
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
mmus	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm ³)							



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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					V
	Density (g/cm³)				
Densities	Relative density (g/cm ³)				
	Bulk density (g/cm ³)				
	Critical density (g/cm ³)				
Solubility (Type :) (g/L)				
Partition coefficie	ent (log Pow)				
n-octanol/water	at pH :				
Auto-ignition terr	nperature (°C)				
Decomposition te	emperature (°C)				
Decomposition e	nergy : kJ				
Viscosity	Viscosity, dynamic (poiseuille)				
-	Viscosity, cinematic (cm ³ /s)				
Explosive properties					
	Oxidising 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. ; 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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:

• 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: SUBS TMB SUBS TMB Version: US, Page 8 of 11, Revision date: 05/02/2024

• Specific target organ toxicity (single exposure)

o STOT SE 1 and 2

Animal data:

Other information:

o STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

• Specific target organ toxicity (repeated exposure)

Practical experience / human evidence: Animal data:

Assessment / Classification: Other information

• Aspiration hazard

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: SUBS TMB SUBS TMB Version: US, Page 9 of 11, Revision date: 05/02/2024

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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: SUBS TMB SUBS TMB Version: US, Page 10 of 11, Revision date: 05/02/2024

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:Transport category (Tunnel restriction code):

Sea transport (IMDG)

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

Subsidiary risk(s) for IMDG: Limited quantities for IMDG: IBC Instructions: IMO tank instructions: Tanks and bulk Provisions: Stowage and segregation for IMDG:

Special Provisions ADN:
Excepted quantities ADN:
Equipment required:
Number of blue cones/lights:

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

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:25/10/2023 Modifications:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: SUBS TMB SUBS TMB Version: US, Page 11 of 11, Revision date: 05/02/2024

16.2 Abbreviations and acronyms:

- 16.3 Key literature references and sources for data
- 16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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



IEV

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: TWEEN 20 TWEEN-1-3 Version: US, Page 1 of 11, Revision date: 05/02/2024

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

Product identifier: 1.1

Designation / Trade name: TWEEN 20 TWEEN-1-3 Index No:

CAS No.:

EC No:

REACH No:

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

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

Uses advised against:

1.3 Details of the supplier of the safety data sheet:

Supplier: Name: CISBIO BIOASSAYS, company of Revvity Group - CBBIOA -Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France Phone : +33 4 66 79 67 05 - Fax : +33 4 66 79 67 50 E-Mail (competent person): 2 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 in accordance with 29 CFR 1910 (OSHA HCS)	Category code	Hazard statement	Precautionary statement
The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)	None	None	None

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:

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Substances contained in this product:

Hazard pictograms

Signal word:

Hazard and precautionary statements:

2.3 Other hazards

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

Adverse human health effects:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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. ; Additional information:

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 Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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 ;

<u>Advice on general occupational hygiene</u>: 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>Requirements for storage rooms and vessels</u>: Keep container tightly closed. ; Keep-store only in original container or in properly labeled containers ;

Hints on storage assembly: Materials to avoid: Further information on storage conditions:

7.3 Specific end uses:

Recommendations on specific end uses:

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Preliminary remark:

8.1.1 Occupational exposure limits:

• OSHA (USA)

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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8.1.2 DNEL/PNEC-values:

- DNEL worker
- DNEL consumer
- PNEC

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7

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 Environmental exposure controls:

Consumer exposure control

<u>Measures related to consumer uses of the substance (as such or in mixtures):</u> Measures related to the service life of the substance in articles:

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

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

		Value	Concentration (mol/L)	Method	Temperature (°C)	Pressure (kPa)	Remark
рН							
Melting point (°C)							
Freezing point (°C)							
Initial boiling point/boiling range (°C)							
Flash point (°C)							
Evaporation rate (kg/m²/h)							
Flammability (type :) (%)							
Upper/lower flammability or explosive limits	Upper explosive limit (%)						
liiliits	Lower explosive limit (%)						
Vapour pressure (kPa)							
Vapour density (g/cm³)							



according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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			 	-	V
	Density (g/cm³)				
Densities	Relative density (g/cm ³)				
	Bulk density (g/cm ³)				
	Critical density (g/cm ³)				
Solubility (Type :) (g/L)				
Partition coefficie	nt (log Pow)				
n-octanol/water at pH :					
Auto-ignition tem	perature (°C)				
Decomposition te					
Decomposition er	nergy: kJ				
Viscosity	Viscosity, dynamic (poiseuille)				
	Viscosity, cinematic (cm ³ /s)				
Explosive properties					
Oxidising 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. ; 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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:

• 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:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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• Specific target organ toxicity (single exposure)

o STOT SE 1 and 2

Animal data:

Other information:

o STOT SE 3

Practical experience / human evidence:

Other information: Assessment / Classification:

• Specific target organ toxicity (repeated exposure)

Practical experience / human evidence: Animal data:

Assessment / Classification: Other information

• Aspiration hazard

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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. ;

Other disposal recommendations: Additional information:

SECTION 14 : TRANSPORT INFORMATION

ADR/RID/AND/IMDG/IATA

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

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

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

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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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:Transport category (Tunnel restriction code):

Sea transport (IMDG)

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

Subsidiary risk(s) for IMDG: Limited quantities for IMDG: IBC Instructions: IMO tank instructions: Tanks and bulk Provisions: Stowage and segregation for IMDG:

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:	
Carriage permitted: Provisions concerning loading and unloading: Provisions concerning carriage:	Excepted quantities ADN: Equipment required:

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 :Cargo Aircraft only Maximal Net Quantity :ERG code:Special Provisions for IATA:Special Provisions for IATA:

SECTION 15 : REGULATORY INFORMATION

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

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out :

SECTION 16 : OTHER INFORMATION

16.1 Indication of changes

Date of the previous version:13/12/2023 Modifications:

according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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16.2 Abbreviations and acronyms:

- 16.3 Key literature references and sources for data
- 16.4 Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g):

See SECTION 2.1 (classification).

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

