




## SECTION 1: IDENTIFICATION

- 1.1 Product identifier:** OPTI PERM P BIO
- Other means of identification:**  
Not relevant
- 1.2 Recommended use of the chemical and restrictions on use:**  
Relevant uses (Industrial user): Cleaner  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Initial supplier identifier:**  
Constant International  
7585 Cordner  
H8N 2R5 Lasalle - Québec - Canada  
Phone: 15147613339 - Fax: 15147611117  
office@constantinternational.com  
<https://constantinternational.com/>
- 1.4 Emergency phone number:** (613) 996-6666 / 1-888-CAN-UTEC (226-8832)

## SECTION 2: HAZARD IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**WHMIS 2015:**  
Classification of this product has been carried out in accordance with Part 2 of Hazardous Products Regulations (SOR/2015-17 amended by SOR/2022-272)  
Eye Dam. 1: Serious eye damage, Category 1, H318  
Skin Corr. 1A: Skin corrosion, Category 1A, H314
- 2.2 Label elements:**  
**WHMIS 2015:**  
**Danger**
- 
- Hazard statements:**  
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
- Precautionary statements:**  
P260: Do not breathe dust  
P264: Wash thoroughly after use.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor/physician.
- Substances that contribute to the classification**  
tetrasodium ethylene diamine tetraacetate; sodium hydroxide; Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts
- 2.3 Health and physical hazards not otherwise classified (HHNOC - PHNOC):**  
Not relevant

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**  
Not relevant
- 3.2 Mixtures:**  
**Chemical description:** Mixture of complexing agents, alkali silicates, sodium carbonate and surfactants

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

### Components:

In accordance with Schedule I of the Hazardous Products Regulations (SOR/2015-17), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 64-02-8	<b>tetrasodium ethylene diamine tetraacetate</b> Acute Tox. 4: H302; Eye Dam. 1: H318 - Danger	10 - <30%
CAS: 1310-73-2	<b>sodium hydroxide</b> Skin Corr. 1A: H314 - Danger	10 - <30%
CAS: 68081-81-2	<b>Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts</b> Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irrit. 2: H315; STOT SE 3: H335 - Danger	1 - <5%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of necessary measures:

Request medical assistance immediately, showing the SDS of this product.

#### By inhalation:

This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

#### By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

#### By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and its inhalation, to the respiratory system. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

### 4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Not relevant

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Suitable (and unsuitable) extinguishing media:

#### Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

#### Unsuitable extinguishing media:

Non-applicable

### 5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

### 5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

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## SECTION 5: FIRE-FIGHTING MEASURES (continued)

### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel:

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal

#### For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

### 6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

### 6.3 Methods and materials for containment and cleaning up:

It is recommended:

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal

### 6.4 Reference to other sections:

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

#### A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

#### B.- Technical recommendations for the prevention of fires and explosions

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

#### C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

#### D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

### 7.2 Conditions for safe storage, including any incompatibilities:

#### A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

#### B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

British Columbia - Occupational Health and Safety Regulation section 5.48 (Updated June 22, 2022):

Identification	Occupational exposure limits		
sodium hydroxide	TLV-TWA		2 mg/m <sup>3</sup>
CAS: 1310-73-2	TLV-STEL		2 mg/m <sup>3</sup>

ALBERTA - Occupational Health and Safety Code:

Identification	Occupational exposure limits		
sodium hydroxide	8-hour		
CAS: 1310-73-2	15-minute		2 mg/m <sup>3</sup>

BRITISH COLUMBIA >> Particles (Insoluble or Poorly Soluble) Not Otherwise Classified (PNOC): TWA = 10 mg/m<sup>3</sup>


### 8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment


As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection


Pictogram	PPE	Remarks
 Compulsory use of face mask	Filter mask for particles (Filter type: P/FFP)	Replace when an increase in resistance to breathing is observed.

C.- Specific protection for the hands



Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk	Replace boots at any sign of deterioration.



F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

### Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container.  
For more detailed information, please refer to subsection 7.1.D.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

#### Appearance:

Physical state at 20 °C:	Solid
Appearance:	Powdery
Colour:	White
Odour:	Odourless
Odour threshold:	Not relevant *

#### Volatility:

Boiling point or initial boiling point and boiling range:	Not relevant *
Vapour pressure at 20 °C:	Not relevant *
Vapour pressure at 50 °C:	Not relevant *
Evaporation rate at 20 °C:	Not relevant *

#### Product description:

Density at 20 °C:	Not relevant *
Relative density at 20 °C:	Not relevant *
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	11.9 - 12.9 (at 1 %)
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient — n-octanol/water (logarithmic value) 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Water-soluble
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

#### Flammability:

Flash Point:	Not relevant *
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	Not relevant *
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

#### Explosive (Solid):

Lower explosive limit:	Not relevant *
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\*Not relevant due to the nature of the product, not providing information property of its hazards.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Upper explosive limit: Not relevant \*

### Particle characteristics:

Median equivalent diameter: Not relevant \*

### 9.2 Other information:

#### Information with regard to physical hazard classes:

Explosive properties: Not relevant \*

Oxidising properties: Not relevant \*

Corrosive to metals: Not relevant \*

Heat of combustion: Not relevant \*

Aerosols-total percentage (by mass) of flammable components: Not relevant \*

#### Other safety characteristics:

Surface tension at 20 °C: Not relevant \*

Refraction index: Not relevant \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

### 10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Can react violently	Can react violently	Precaution	Not applicable	Not applicable

### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

### B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

### C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

### D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.  
IARC: Not relevant
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

### E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

### F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

### G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

### H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

### Other information:

Not relevant

### Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
tetrasodium ethylene diamine tetraacetate CAS: 64-02-8	LD50 oral	1700 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation dust		
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts CAS: 68081-81-2	LD50 oral	500 mg/kg	
	LD50 dermal		
	LC50 inhalation vapour		

## SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

### 12.1 Ecotoxicity (aquatic and terrestrial, where available):

#### Acute toxicity:

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
tetrasodium ethylene diamine tetraacetate CAS: 64-02-8	LC50	121 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	140 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Not relevant		
sodium hydroxide CAS: 1310-73-2	LC50	189 mg/L (48 h)	Leuciscus idus	Fish
	EC50	33 mg/L	Crangon crangon	Crustacean
	EC50	Not relevant		

### Chronic toxicity:

Identification	Concentration		Species	Genus
tetrasodium ethylene diamine tetraacetate	NOEC	25.7 mg/L	Danio rerio	Fish
CAS: 64-02-8	NOEC	25 mg/L	Daphnia magna	Crustacean

### 12.2 Persistence and degradability:

Not relevant

### 12.3 Bioaccumulative potential:

#### Substance-specific information:

Identification		Bioaccumulation potential	
tetrasodium ethylene diamine tetraacetate CAS: 64-02-8	BCF	2	
	Pow Log	-13	
	Potential	Low	

### 12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
tetrasodium ethylene diamine tetraacetate CAS: 64-02-8	Koc	1046	Henry	0E+0 Pa·m³/mol
	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

Water-soluble

### 12.5 Results of PBT and vPvB assessment:

Not relevant

### 12.6 Other adverse effects:

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Disposal methods:

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See epigraph 6.2.

#### Regulations related to waste management:

Legislation related to waste management:

Canadian Environmental Protection Act, 1999

## SECTION 14: TRANSPORT INFORMATION

### Transport of dangerous goods by land:

With regard to Transportation of Dangerous Goods Regulations (SOR/2001-286) including Amendments:



## SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN3263  
**14.2 United Nations proper shipping name:** CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (sodium hydroxide; tetrasodium ethylene diamine tetraacetate)  
**14.3 Transport hazard class(es):** 8  
**Labels:** 8  
**14.4 Packing group:** II  
**14.5 Environmental hazard:** No  
**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
 Physico-Chemical properties: see section 9  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not relevant

### Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN3263  
**14.2 United Nations proper shipping name:** CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (sodium hydroxide; tetrasodium ethylene diamine tetraacetate)  
**14.3 Transport hazard class(es):** 8  
**Labels:** 8  
**14.4 Packing group:** II  
**14.5 Marine pollutant:** No  
**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
 Special regulations: 274  
 EmS Codes: F-A, S-B  
 Physico-Chemical properties: see section 9  
 Limited quantities: 1 kg  
 Segregation group: SGG18  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not relevant

### Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:



- 14.1 UN number:** UN3263  
**14.2 United Nations proper shipping name:** CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (sodium hydroxide; tetrasodium ethylene diamine tetraacetate)  
**14.3 Transport hazard class(es):** 8  
**Labels:** 8  
**14.4 Packing group:** II  
**14.5 Environmental hazard:** No  
**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
 Physico-Chemical properties: see section 9  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not relevant

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations specific for the product in question:

- Domestic Substances List (DSL): *tetrasodium ethylene diamine tetraacetate (64-02-8)* ; *sodium hydroxide (1310-73-2)* ; *Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts (68081-81-2)*
- Non-Domestic Substances List (NDSL): Not relevant

### Specific provisions in terms of protecting people or the environment:

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## SECTION 15: REGULATORY INFORMATION (continued)

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

### Other legislation:

Canadian Environmental Protection Act, 1999

## SECTION 16: OTHER INFORMATION

### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Part 4 and Schedule I of the Hazardous Products Regulations (SOR/2015-17), amended by SOR/2020-38 and SOR/2022-272.

### Texts of the legislative phrases mentioned in section 2:

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

### WHMIS 2015:

Acute Tox. 4: H302 - Harmful if swallowed.

Eye Dam. 1: H318 - Causes serious eye damage.

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT SE 3: H335 - May cause respiratory irritation.

### Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

### Principal bibliographical sources:

<http://whmis.org/>

### Abbreviations and acronyms:

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

IARC: International Agency for Research on Cancer

Date of compilation: 2025-09-03

Revised: 2025-11-13

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET