



# VOLTECO Spa

## PROCLEAN

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### SECTION 1. Identification of the substance/preparation and of the company/undertaking

#### 1.1 Product identifier

Name **PROCLEAN**

#### 1.2. Identified relevant uses of the substance or mixture and non-recommended uses

Description/Use **Additive for cleaning**

UFI **Y7TR-WWW5-D20W-DYSY**

#### 1.3. Supplier information of the safety data sheet

Company Name **VOLTECO Spa**  
Address **Via delle Industrie, 47**  
District and Country **31050 Ponzano Veneto (TV) - IT**  
Telephone **+39 0422 9663**  
Fax **+39 0422 966401**  
e-mail address of the person in charge of the safety data sheet **volteco@volteco.it**

#### 1.4. Emergency telephone number

For urgent enquiries, please contact **+39 0422 9663**

### SECTION 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### 2.1.1 EC Regulation No. 1272/2008 as amended

This product was classified in compliance with EC Regulation No. 1272/2008 (CLP).

<b>Eye Irrit. 2</b>	<b>H319</b>	Causes serious eye irritation.
<b>Skin Irrit. 2</b>	<b>H315</b>	Causes skin irritation.
<b>Aquatic Chronic 3</b>	<b>H412</b>	Chronic hazard to the aquatic environment, Category 3

#### 2.2 Label elements

Hazard labelling pursuant to EC Regulation No. 1272/2008 (CLP) as amended.

##### Hazard pictograms



**Warnings** Hazard

##### Hazard statements

**H319** Causes serious eye irritation.  
**H315** Causes skin irritation.  
**H412** Harmful to aquatic life with long-term effects.

Hazardous component	CAS	EC	%	Classification
Compounds of quaternary ammonium, benzyl-c12-16-alkyldimethyl, chlorides (M=10) <sup>1</sup>	68424-85-1	939-253-5	1<=C<2,5	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Eye Dam. 1, H318 Skin Corr. 1B, H314

##### Precautionary tips

**P101** When seeking medical advice, provide the container or label of the product.  
**P102** Keep out of the reach of children.  
**P264** Before break and after work wash hands carefully.  
**P273** Do not release into the environment.  
**P280** Wear protective gloves/clothing, protect eyes/face.  
**P302+P352** IN CASE OF SKIN CONTACT: wash with plenty of water.  
**P305+P351+P338** IN CASE OF EYE CONTACT: rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do so. Continue rinsing.



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**P501** Dispose of the product/recipient in the separate waste collection system implemented by your municipality.

**UFI: Y7TR-WWW5-D20W-DYSY**

### 2.3 Other hazards

The product does NOT contain substances that meet the PBT or vPvB criteria.

Endocrine-disrupting properties: The product fails to meet the criteria.

## SECTION 3. Composition/information on ingredients

### 3.1 Substance/Mixture

Not applicable.

### 3.2 Mixture

**Description** Aqueous mixture with base of additives, loads and resins.

### Components

<sup>1</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

Name Hazardous component	CAS	EC	%	Classification
Compounds of quaternary ammonium, benzyl-c12-16-alkyldimethyl, chlorides (M=10) <sup>1</sup>	68424-85-1	939-253-5	1 <= C < 2.5	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Eye Dam. 1, H318 Skin Corr. 1B, H314

To broaden the hazard information on substances, see Sections 11, 12 and 16.

### Other information

Identification	M-factor
Compounds of quaternary ammonium, benzyl-c12-16-alkyldimethyl, chlorides (M=10) <sup>1</sup>	Acuto: 10  Cronico: 1

## SECTION 4. First aid measures

### 4.1 Description of the first aid measures

Symptoms as a result of poisoning can develop post-exposure, therefore, in case of doubt, direct exposure to the chemical product or persistence of the ailment, seek medical attention showing him/her the product safety data sheet.

**Contact with skin** Remove contaminated clothes and shoes, rinse the skin or shower the affected person. In case of contact, it is recommended to clean the affected area with plenty of water and neutral soap. If the mixture causes burns or frostbite, do not remove your clothing as it may worsen the injury if it sticks to the skin. In the event of blisters forming, they must not have burst under any circumstances, as the risk of infection increases.

**Contact with eyes** Rinse thoroughly for at least 15 minutes with water at room temperature. Do not let the person involved rub or close their eyes. In the event that the interested party wears contact lenses, these must be removed as long as they are not attached to the eyes, since in that case additional damage could be caused. After rinsing, seek medical attention as soon as possible showing the safety data sheet.

**Swallowing** Do not induce vomiting. If it is generated naturally keep your head tilted forward to avoid inhalation. Keep the affected individual at rest. Rinse mouth and throat, as there is the possibility that they have been damaged through ingestion.

**Inhalation** This product does not contain substances that are classified as hazardous for inhalation, nevertheless, in case of symptoms of intoxication we recommend taking the affected individual away from the site of exposure and keeping him/her in clean air and at rest. If symptoms persist seek medical attention.

### 4.2 Main symptoms and effects, both acute and delayed

The acute and delayed effects are stated in Paragraphs 2 and 11.

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

Not applicable.

## SECTION 5. Fire-fighting measures

### 5.1 Extinguishing agents

Suitable extinguishing agents



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Product not flammable under normal conditions of storage, handling and use.

In case of fire following handling, storage or due use, preferably use polyvalent powder extinguishers (ABC powder), in compliance with the Regulation on fire protection Installations.

### Unsuitable extinguishing agents

Not significant.

### 5.2 Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition, reaction sub-products are generated that can be highly toxic and therefore present a high health risk.

### 5.3 Recommendations for those in charge of putting out fires

Depending on the severity of the fire, it may be necessary to use complete protective clothing and self-contained breathing apparatuses. Set up a minimum emergency plant or elements for intervention (fireproof blankets, first aid kits, ...) in compliance with Directive 89/654/EC.

#### Additional equipment

Act in compliance with the Internal Emergency Plan and the Information Sheets on what to do in case of accidents and other emergencies. Eliminate any source of ignition. In case of fire, cool product storage vessels and tanks with a fire hazard, explosion hazard or BLEVE as a result of high temperatures. Avoid leaking products used for fire extinguishing into water.

## SECTION 6. Accidental release measures

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

#### For whoever is not working on it directly

Isolate the leaks as long as this does not pose an additional risk for the people performing this function.

In caso di potenziale contatto con il prodotto versato si rende obbligatorio l'utilizzo di elementi di protezione personale (vedere Paragrafo 8).

Evacuate the area and keep people without protection away.

#### For whoever works on it directly

See Paragraph 8.

### 6.2 Environmental precautions

Avoid at all costs any type of spillage into the aquatic environment.

Duly contain the absorbed product in airtight recipients.

Notify the competent authority in case of exposure to the general public or the environment.

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

We recommend:

Absorb the spillage with sand or absorbent inert material and move it to a safe place.

Do not absorb with sawdust or other inflammable absorbent material.

For any consideration regarding elimination, refer to Paragraph 13.

### 6.4 Reference to other sections

Any information on personal protection and disposal is found in Sections 8 and 13.

## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

#### Precautions for safe handling

Fulfil legislation in force on safety in the workplace. Keep recipients hermetically closed. Control spills and residues, eliminating them safely (Paragraph 6). Avoid free spillage from the recipients. Keep the areas where hazardous products are handled clean and tidy.

#### Technical recommendations for the prevention of fires and explosions

Product not flammable under normal conditions of storage, handling and use. It is advisable to transfer slowly to avoid generating electrostatic discharges that could involve flammable products. Refer to Paragraph 10 on what conditions and materials to avoid.

#### Technical recommendations to prevent ergonomic and toxicological risks

Avoid eating or drinking during handling and then be sure to wash with suitable products.

#### Technical recommendations to prevent environmental risks

Due to how harmful this product is to the environment we recommend handling it in an area where there are contamination control barriers in case of spillage, as well as preparing absorbent material in the vicinity.

### 7.2 Conditions for safe storage, including any incompatibility

#### Technical measures for storage

Minimum temperature: 5 °C  
Maximum temperature: 30 °C  
Maximum time: 6 months.

#### General conditions for storage

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

Paragraph 10.5.

### 7.3 Specific end uses

With the exception of the information specified above, it is not necessary to perform any special recommended action in relation to the uses of said product.

## SECTION 8. Exposure control/personal protection

### 8.1 Control parameters

Substance with occupational exposure limit values that need to be controlled in the workplace:

There are not ambient limit values of the mixture.

#### DNEL (Workers)

Not applicable.

#### DNEL (Population)

Not applicable.

#### PNEC

Not applicable.

### 8.2 Exposure controls

#### General safety and hygiene measures for the work environment

As a prevention measure we recommend using basic personal protective equipment, marked with "CE seal".

For more information on personal protective equipment (storage, use, protection category, etc.) consult the information leaflet provided by the manufacturer of the PPE.

The indications contained in this point refer to the pure product.

The protection measures for the diluted product can vary based on its degree of dilution, use, application method, etc.



The regulation relative to the storage of chemical products, applicable for each case, will be taken into consideration to determine the obligation to install emergency showers and/or eye washes in the warehouses.

For more information read Paragraphs 7.1 and 7.2.

#### Respiratory protection



It will be necessary to use protective equipment if mist forms or if the occupational exposure limits are exceeded.

#### Hand protection

Pictogram	DPI	Marked	ECN standards	Observations
 <i>Compulsory protection for the hands</i>	Gloves for chemical protection			Replace gloves at the first sign of deterioration. For periods of prolonged exposure to the product by professional / industrial users we recommend the use of CE III gloves in accordance with EN 420: 2004+ A1: 2010 and EN ISO 374-1: 2016 + A1: 2018.


As the product is a mixture of different materials, the resistance of the glove material cannot be reliably calculated in advance and has therefore to be checked prior to the application.

#### Eyes/face protection



Pictogram	DPI	Marked	ECN standards	Observations
 <i>Compulsory protection for the face</i>	Panorama goggles against liquid droplets.		EN 166:2001 EN ISO 4007:2012	Clean daily and disinfect periodically in compliance with the manufacturer's instructions. Recommended for use where there is a risk of splashing.

#### Body protection

Pictogram	DPI	Marked	ECN standards	Observations
	Non-slip work shoes		EN ISO 20347:2012	Replace if there is any sign of deterioration. For prolonged exposure periods for professional / industrial users, CE III is recommended, according to EN ISO 20345: 2012 and EN 13832-1: 2007 standards

Pictogram	DPI	Marked	ECN standards	Observations
	Work clothes			Replace if there is any sign of deterioration. For prolonged exposure periods for professional / industrial users, CE III is recommended, according to EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994

### Complementary emergency measures

Pictogram	Standards	Pictogram	Standards
	ANSI Z358-1 ISO 3864-1:2011 ISO 3864-4:2011		DIN 12 899 ISO 3864-1:2011 ISO 3864-4:2011
Emergency shower		Eye bath	

### Environmental exposure controls

Based on Community legislation on environmental protection we recommend against releasing the product and its containers in the environment.

For further information see Paragraph 7.1.D.

### Volatile organic compounds

In application of Directive 2010/75/EU, this product presents the following characteristics:

V.O.C. (Supply): 0 % in weight

V.O.C. density at 20 °C: 0 kg/m<sup>3</sup> (0 g/l)

Mean carbon number: Not applicable

Mean molecular weight: Not applicable

## SECTION 9. Physical and chemical properties

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

Description	Value
Physical state at 20 °C	Liquid
Appearance	Fluid
Colour	Characteristic
Odour	Characteristic
Olfactory threshold	Not applicable*
Boiling point at atmospheric temperature	100 °C
Vapour pressure at 20 °C	2350 Pa
Vapour pressure at 50 °C	12381 Pa
Evaporation rate at 20 °C	Not applicable*
Density at 20 °C	1030.1 kg/m <sup>3</sup>
Relative density at 20 °C	1.03
Dynamic viscosity at 20 °C	1.61 cP
Kinematic viscosity at 20 °C	1.56 cSt
Kinematic viscosity at 40 °C	Not applicable*
Concentration	Not applicable*
pH	8.5
Vapour density at 20 °C	Not applicable*
Partition coefficient n-octanol/water	Not applicable*
Solubility in water at 20 °C	Not applicable*
Decomposition temperature	Not applicable*
Melting or freezing point	Not applicable*
Flash point	Not flammable (> 60 °C)
Calore di combustione	Not applicable*
Flammability (solids/gases)	Not applicable*
Auto-ignition temperature	Not applicable*



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Description	Value
Lower flammability limit	Not applicable*
Lower flammability limit	Not applicable*
Diametro equivalente mediano	Not applicable*

### 9.2 Other information

Explosive properties: Not applicable\*

Oxidising properties: Not applicable\*

Corrosive substances or mixtures for metals: Not applicable\*

Aerosol-total percentage (by mass) of flammable components: Not applicable\*

#### Other security features

Surface tension at 20 °C: Not applicable\*

Refraction index: Not applicable\*

\*Not applicable due to the nature of the product, information is not provided regarding its level of harm.

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

No hazardous reaction if the following technical chemical product storage instructions are implemented.

See Section 7.

### 10.2 Chemical stability

Chemically stable in conditions of storage, handling and use.

### 10.3 Possibility of hazardous reactions

No hazardous reaction is expected for changes in temperature and/or pressure.

### 10.4 Conditions to be avoided

Applicable to handling and storage at ambient temperature:

<b>Shock and friction</b>	Not applicable.
<b>Contact with air</b>	Not applicable.
<b>Heating</b>	Not applicable.
<b>Sun light</b>	Not applicable.
<b>Humidity</b>	Not applicable.

### 10.5 Incompatible materials

<b>Acids</b>	Avoid strong acids.
<b>Water</b>	Not applicable.
<b>Oxidising materials</b>	Precaution
<b>Combustible materials</b>	Not applicable.
<b>Other</b>	Avoid alkalis and strong bases

### 10.6 Hazardous decomposition products

See heading 10.3, 10.4 and 10.5 to specifically know the decomposition products.

Depending on the conditions of decomposition, this may lead to the release of complex mixtures of chemical substances: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

## SECTION 11. Toxicological information

### 11.1 Information on the hazard classes defined in EC Regulation no. 1272/2008

There is no experimental data available on the product as such in relation to the toxicological properties.

#### Dangerous effects for health

Repeated, prolonged exposure or at higher concentrations than established for the occupational exposure limits, may produce harmful effects on health based on the channel of exposure:

##### Ingestion (acute effect):

<b>Acute toxicity</b>	Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous for ingestion. For further information see Paragraph 3.
<b>Corrosivity/Irritability</b>	Ingesting a considerable dose can lead to irritation of the throat, abdominal pain, nausea and vomiting.

##### Inhalation (acute effect):

<b>Acute toxicity</b>	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for inhalation. For more information see Paragraph 3.
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### Corrosivity/Irritability

Based on the available data the classification criteria is not fulfilled, nevertheless it presents substances classified as hazardous for this effect. For further information see Paragraph 3.

### Contact with skin and eyes:

Contact with skin	Causes skin inflammation.
Contact with eyes	Causes eye damage through contact.

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Carcinogenicity	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for the described effects. For more information see Paragraph 3. IARC: Not applicable
Mutagenic effects	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.
Reproductive toxicity	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.

### Effects of sensitisation

Breathing apparatuses	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous with sensitising effects. For further information see Paragraph 3.
Dermal	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.

### Specific toxicity for target organs (STOT)

Single exposure	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.
Repeated exposure	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.
Skin	Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect. For more information see Paragraph 3.

### Hazard if inhaled:

Based on the available data the classification criteria is not fulfilled, as it does not present substances classified as hazardous for this effect.

For more information see Paragraph 3.

### Other information

Not applicable.

### Toxicological information specific to substances

Name of product/ingredient	Type	Species	Dose	Exposure
Compounds of quaternary ammonium, benzyl-c12-16-alkyldimethyl, chlorides (M=10) CAS: 68424-85-1 EC: 270-325-2	LD50 Oral	Rat	500 mg/kg	-
	LD50 Dermal		Not applicable	-
	CL50 Inhalation		Not applicable	-

### 11.2 Information on other hazards

#### Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

#### Other information

Not applicable.

## SECTION 12. Ecological information

There is no available data on the mixture.

### 12.1 Toxicity

Name of product/ingredient	Type - Acute toxicity	Species	Dose	Type
Compounds of quaternary ammonium, benzyl-c12-16-alkyldimethyl, chlorides (M=10) CAS: 68424-85-1	CL50		Not applicable	

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Name of product/ingredient	Type - Acute toxicity	Species	Dose	Type
EC: 270-325-2				
	EC50	Daphnia Magna	0.0058 mg/l (48h)	Crustace
	EC50		Not applicable	

#### 12.2 Persistence and degradability

Not available.

#### 12.3 Bioaccumulative potential

Not available.

#### 12.4 Mobility in the soil

Not available.

#### 12.5 Results of the PBT and vPvB evaluation

The product does NOT contain substances that meet the PBT or vPvB criteria.

#### 12.6 Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

#### 12.7 Other adverse effects

Not described.

### SECTION 13. Disposal considerations

#### 13.1 Waste processing methods

Code	Description	Type of residue (EC Regulation No. 1357/2014)
	It is not possible to assign a specific code, since this depends on how the user uses it.	Hazardous
<b>Type of residue (EU Regulation No. 1357/2014)</b>	HP14 Ecotoxic	
<b>Waste management (elimination and valorisation)</b>	Consult the residue manager authorised to perform valorisation and elimination operations in compliance with Annex 1 and Annex 2 (Directive 2008/98/EC, Legislative Decree 205/2010). According to Codes 15 01 (2014/955/EU), if the container has been in direct contact with the product it will be treated in the same way as the product itself, otherwise it will be treated as non-hazardous residue. Do not dispose of into watercourses. See Point 6.2.	
<b>Provisions regarding waste management</b>	In conformity with Annex II of EC Regulation No. 1907/2006 (REACH) the Community or state provisions pertaining to waste management are implemented. Community legislation: Directive 2008/98/EC, 2014/955/EU, EU Regulation No. 1357/2014. National legislation: Legislative Decree 25/2010.	

### SECTION 14. Transport information

This product is not regulated for transport (ADR/RID, IMDG, IATA).

### SECTION 15. Regulatory information

#### 15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela

<b>Substances subject to authorisation Annex XIV Regulation EC No. 1907/2006 (REACH)</b>	Not applicable.
<b>Substances included in Annex XIV of REACH (authorisation list) and expiration date</b>	Not applicable.
<b>Regulation EC No. 1005/2009 on substances that reduce the ozone layer</b>	Not applicable.
<b>Active substances that were not included in Annex I Regulation EU No. 528/2012</b>	Compounds of quaternary ammonium, benzyl-c12-16-alkyldimethyl, chlorides (M=10) (excluded for product type 1, 2, 3, 4, 8, 10, 11, 12, 22)
<b>Regulation EU No. 649/2012 on exporting and importing hazardous chemical substances</b>	Not applicable.

#### Seveso III

Not applicable.

#### Restrictions on the sale and use of certain hazardous substances and mixtures (Annex XVII, REACH)

They are not allowed in:



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- in decorative objects intended to produce light or color effects obtained in different stages, for example ornamental lamps and ashtrays  
- in joke articles

- in decorative objects intended to produce light or color effects obtained in different stages, for example ornamental lamps and ashtrays

### Special provisions regarding the protection of people or the environment

We recommend using the information provided in this safety data sheet as the input data in an assessment of the risks of local circumstances with the aim of establishing the necessary risk prevention measures for handling, use, storage and elimination of said product.

### Other legislations

<b>Lgs. D. No. 205/2010</b>	Provisions for the implementation of Directive No. 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives.
<b>D. Lgs. n. 85/2016</b>	Regulation laying down rules for the implementation of Directive 2014/34 / EU on the harmonization of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres.
<b>Lgs. D. No. 233/2003</b>	Implementation of Directive 1999/92/EC relative to the minimum requirements for the improvement of the protection of the safety and health of workers exposed to the risk of explosive atmospheres.
<b>Lgs. D. No. 186/2011</b>	Rules of penalties for the violation of provisions of EC Regulation No. 1272/2008.
<b>D. Lgs. n. 161/2006</b>	Implementation of Directive 2004/42 / EC, for the limitation of volatile organic compound emissions resulting from the use of solvents in certain paints and varnishes, as well as in bodywork products.
<b>D. Lgs. n. 152/2006</b>	Environmental regulations.
<b>Royal decree 147/192 - Last updated 06/12/2021</b>	Approval of the special regulation for the use of toxic gases.
<b>G.U. 14 March 2016 n. 61 - Legislative Decree no. 39 of 15 February 2016</b>	Consolidated text on health and safety at work - Rev. 2022

### 15.2 Chemical safety assessment

No chemical safety assessment has been conducted for the mixture and the substances contained in it.

## SECTION 16. Other information

### Applicable legislation to safety data sheets

La presente scheda di dati di sicurezza è stata sviluppata in conformità con l'Allegato II - Guida per l'elaborazione di Schede di Dati di Sicurezza del Regolamento EC n. 1907/2006 (Regolamento EU n. 2020/878 della commissione).

### Modifications in relation to the previous safety data sheet on risk management measures

COMMISSION REGULATION EU n.2020/878

### Texts of legislative phrases covered in Section 2

Classification	Description
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long-term effects.

### Texts of legislative phrases covered in Section 3

The phrases stated here do not refer to the product itself, they are provided by way of example and refer to the single components that appear in Section 3.

### Regulation EC No. 1272/2008 (CLP)

<b>Acute Tox. 4: H302</b>	Harmful if swallowed.
<b>Aquatic Acute 1, H400</b>	Very toxic to aquatic organisms.
<b>Aquatic Chronic 1, H410</b>	Very toxic to aquatic life with long-term effects.
<b>Eye Dam. 1, H318</b>	Causes serious eye damage.
<b>Skin Corr. 1B: H314</b>	Causes severe skin burns and eye damage.

### Classification procedure [CLP/GHS]

Classification	Justification
<b>Skin Corr./Irrit. 2</b>	Calculation method
<b>Aquatic Chronic 3</b>	Calculation method
<b>Eye Dam./Irrit. 2</b>	Calculation method

### Tips on training

We recommend minimum training on the topic of work risk prevention for staff who will be handling this product, with the aim of facilitating the comprehension and interpretation of this safety data sheet, as well as product labelling.

### Main sources of literature



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<http://echa.europa.eu>

<http://eur-lex.europa.eu>

### Abbreviations and acronyms

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International maritime code for transport of Dangerous Goods
- IATA: International Air transport Association
- ICAO: International Civil Aviation Organization
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand
- BCF: Bio-concentration factor
- LD50: Lethal dose for 50% of the test population
- LC50: Lethal concentration for 50% of the test population
- CE50: Concentration that causes effect to 50% of the population subjected to a test
- Log POW: Octanol-water partition coefficient logarithm
- Koc: Soil organic carbon-water partitioning coefficient
- UFI: Unique formula identifier
- IARC: International Agency for Research on Cancer