



CLP\_ENDUREC. ACQUAPOX\_PINTURA EPOXI  
Code: 12129



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

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 | PRODUCT IDENTIFIER:<br>CLP_ENDUREC. ACQUAPOX_PINTURA EPOXI<br>Code: 12129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1.2 | <p>RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:</p> <p>Intended uses (main technical functions): <span style="float: right;">[ ] Industrial [X] Professional [X] Consumers</span></p> <p>Hardener:</p> <p>Sectors of use:</p> <p>Professional uses (SU22).</p> <p>Consumer uses (SU21).</p> <p>Uses advised against:</p> <p>This product is not recommended for any use or sector of use (Industrial, professional or consumer) other than those previously listed as 'Intended or identified uses'.</p> <p>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</p> <p>Not restricted.</p> |
| 1.3 | <p>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</p> <p>PINTURAS ISAVAL, S.L.</p> <p>c/Velluters, Parcela 2-14 - P.I.Casanova - E-4 6394 - Ribarrojad d Turia (Valencia)</p> <p>Phone: +34 96 1640001 - Fax: +34 96 1640002</p> <p>E-mail address of the person responsible for the Safety Data Sheet:</p> <p>e-mail: atencioncliente@isaval.es</p>                                                                                                                                                                                                                                                                                                                                    |
| 1.4 | EMERGENCY TELEPHONE NUMBER: +34 96 1640001 (8:00-18:00 h.) (working hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**SECTION 2 : HAZARDS IDENTIFICATION**

2.1

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification of mixtures is carried out in accordance with the following principles: a) when data (tests) for the classification of mixtures are available, generally is carried out based on these data, b) in the absence of data (tests) for mixtures are generally used interpolation or extrapolation methods of assessing the risk, using the available data for mixtures similarly classified, and c) in the absence of tests and information which would allow to apply interpolation or extrapolation techniques, methods are used to classify risk assessment based on the data of the individual components in the mixture.

Classification in accordance with Regulation (EU) No. 1272/2008~2018/1480 (CLP):

WARNING: Skin Irrit. 2:H315 | Eye Irrit. 2:H319 | Skin Sens. 1:H317 | Muta. 2:H341o | Aquatic Chronic 2:H411

| Danger class                                                                                                                                                                                    | Classification of the mixture                                                 | Cat.                 | Routes of exposure               | Target organs                     | Effects                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------|----------------------------------|-----------------------------------|--------------------------------------------------------|
| <u>Physicochemical:</u><br>Not classified                                                                                                                                                       | Skin Irrit. 2:H315<br>Eye Irrit. 2:H319<br>Skin Sens. 1:H317<br>Muta. 2:H341o | c)<br>c)<br>c)<br>c) | Cat.2<br>Cat.2<br>Cat.1<br>Cat.2 | Skin<br>Eyes<br>Skin<br>Ingestion | Irritation<br>Irritation<br>Allergy<br>Genetic defects |
| <u>Human health:</u><br>  | Aquatic Chronic 2:H411                                                        | c)                   | Cat.2                            | -                                 | -                                                      |
| <u>Environment:</u><br>                                                                                      |                                                                               |                      |                                  |                                   |                                                        |

Full text of hazard statements mentioned is indicated in section 16.

Note: When in section 3 a range of percentages is used, the health and environmental hazards describe the effects of the highest concentration of each component, but below the maximum value.

2.2

LABEL ELEMENTS:



This product is labelled with the signal word WARNING in accordance with Regulation (EU) No. 1272/2008~2018/1480 (CLP)

Hazard statements:  
H341o Suspected of causing genetic defects if swallowed.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P201-P202-P405 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Store locked up.  
P337+P313 If eye irritation persists: Get medical attention.  
P280B Wear protective gloves and eye protection .  
P303+P361+P353-P352 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P273-P391-P501a Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with local regulations.

Supplementary statements:  
EUH205 Contains epoxy constituents. May produce an allergic reaction.

Substances that contribute to classification:  
Epoxy resin (average molecular weight <700)  
2,3-epoxypropyl neodecanoate



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- 2.3 **OTHER HAZARDS:**  
 Hazards which do not result in classification but which may contribute to the overall hazards of the mixture:  
**Other physicochemical hazards:** No other relevant adverse effects are known.  
**Other adverse human health effects:** # No other relevant adverse effects are known.  
**Other negative environmental effects:** Does not contain substances that fulfil the PBT/vPvB criteria.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 **SUBSTANCES:**  
 Not applicable (mixture).

- 3.2 **MIXTURES:**  
 This product is a mixture.  
**Chemical description:**  
 Epoxy resin (average molecular weight <700) in aqueous media.

**HAZARDOUS INGREDIENTS:**  
 Substances taking part in a percentage higher than the exemption limit:



60 < 70 %

**Epoxy resin (average molecular weight <700)**

CAS: 25068-38-6 , EC: 500-033-5

REACH: 01-2119456619-26

CLP: Warning: Skin Irrit. 2:H315 | Eye Irrit. 2:H319 | Skin Sens. 1:H317 | Aquatic Chronic 2:H411

Index No. 603-074-00-8  
 < REACH / CLP00



5 < 10 %

**2,3-epoxypropyl neodecanoate**

CAS: 26761-45-5 , EC: 247-979-2

REACH: 01-2119431597-33

CLP: Warning: Skin Sens. 1:H317 | Muta. 2:H341o | Aquatic Chronic 2:H411

Autoclassified  
 < REACH



1 < 2 %

**Nonylphenol ethoxylated**

CAS: 9016-45-9 , EC: 500-024-6

CLP: Danger: Acute Tox. (oral) 4:H302 | Skin Irrit. 2:H315 | Eye Dam. 1:H318 | Aquatic Chronic 2:H411

Autoclassified

**Impurities:**

Does not contain other components or impurities which will influence the classification of the product.

**Stabilizers:**

None

**Reference to other sections:**

For more information on hazardous ingredients, see sections 8, 11, 12 and 16.

**SUBSTANCES OF VERY HIGH CONCERN (SVHC):**

# List updated by ECHA on 16/07/2019.

Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

None

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

Nonylphenol ethoxylated , Equivalent level of concern having probable serious effects to the environment (Article 57f), Decision: ED/169/2012. 4-nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] are identified as substances of very high concern in accordance with Article 57(f) of Regulation (EC) n° 1907/2006 (REACH) because, due to their degradation, they are a relevant source in the environment of substances of very high concern (4-nonylphenol, branched and linear (4-NP)). Therefore, there is scientific evidence of probable serious effects to the environment from these substances, through their degradation to 4-nonylphenol, branched and linear, which gives rise to an equivalent level of concern to those of other substances listed in points (a) to (e) of Article 57 of REACH.

**PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPvB SUBSTANCES:**

Does not contain substances that fulfil the PBT/vPvB criteria.



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## SECTION 4 : FIRST AID MEASURES

## 4.1 DESCRIPTION OF FIRST-AID MEASURES:



Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.

| Route of exposure     | Symptoms and effects, acute and delayed                                 | Description of first-aid measures                                                                                                                                                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Inhalation:</u>    | Usually produces no symptoms.                                           | Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives. |
| <u>Skin:</u><br>      | Skin contact causes redness.                                            | Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners. In the case of skin reddening or rashes, contact a doctor immediately.        |
| <u>Eyes:</u><br>      | Contact with the eyes produces redness and pain.                        | Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.                                                                      |
| <u>Ingestion:</u><br> | If swallowed, may cause irritation of the mouth, throat and oesophagus. | If swallowed, seek medical advice immediately and show container or label. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.                                                                                                                         |

## 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

The main symptoms and effects are indicated in sections 4.1 and 11.1

## 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to physician: Treatment should be directed at the control of symptoms and the clinical condition of the patient.

Antidotes and contraindications: Specific antidote not known.

## SECTION 5 : FIRE-FIGHTING MEASURES

## 5.1 EXTINGUISHING MEDIA:

In case of fire in the surroundings, all extinguishing agents are allowed.

## 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be a hazard to health.

## 5.3 ADVICE FOR FIREFIGHTERS:

Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or is not being used, combat fire from a sheltered position or from a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.

Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

## 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid direct contact with this product.

## 6.2 ENVIRONMENTAL PRECAUTIONS:

Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.

## 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc.). Keep the remains in a closed container.

## 6.4 REFERENCE TO OTHER SECTIONS:

For contact information in case of emergency, see section 1.

For information on safe handling, see section 7.

For exposure controls and personal protection measures, see section 8.

For waste disposal, follow the recommendations in section 13.



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## SECTION 7 : HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SAFE HANDLING:  
Comply with the existing legislation on health and safety at work.  
General recommendations:  
Avoid any type of leakage or escape. Keep the container tightly closed.  
Recommendations for the prevention of fire and explosion risks:  
The product is not liable to ignite, deflagrate or explode, and does not sustain the combustion reaction by oxygen from air in the environment in which it is, so it is not included in the scope of Directive 94/9/EC concerning equipment and protective systems intended for use in potentially explosive atmospheres. Also they are not applicable the provisions of the ITC MIE BT-29 on the detailed requirements for electrical installations in locals with risk of fire or explosion.  
Recommendations for the prevention of toxicological risks:  
Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.  
Recommendations for the prevention of environmental contamination:  
Product dangerous to the environment. Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:  
Forbid the entry to unauthorized persons. Keep out of reach of children. Keep away from sources of heat. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.  
Class of storage : # According to current legislation.  
Temperature interval : min: 5. °C, max: 40. °C (recommended).  
Incompatible materials:  
Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.  
Type of packaging:  
According to current legislation.  
Limit quantity (Seveso III): Directive 2012/18/EU:  
Not applicable (product for non industrial use). .
- 7.3 SPECIFIC END USES:  
# For the use of this product particular recommendations apart from that already indicated are not available.



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## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 CONTROL PARAMETERS:

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

## OCCUPATIONAL EXPOSURE LIMIT VALUES :

Not established.

## BIOLOGICAL LIMIT VALUES:

Not available

## DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

## Derived no-effect level, workers:

- Systemic effects, acute and chronic:

Epoxy resin (average molecular weight <700)

2,3-epoxypropyl neodecanoate

## DNEL Inhalation

mg/m3

12.3 (a) 12.3 (c)

- (a) 1.97 (c)

## DNEL Cutaneous

mg/kg bw/d

8.33 (a) 8.33 (c)

- (a) 1.40 (c)

## DNEL Oral

mg/kg bw/d

- (a) - (c)

- (a) - (c)

## Derived no-effect level, workers:

- Local effects, acute and chronic:

Epoxy resin (average molecular weight <700)

2,3-epoxypropyl neodecanoate

## DNEL Inhalation

mg/m3

- (a) - (c)

- (a) - (c)

## DNEL Cutaneous

mg/cm2

- (a) - (c)

- (a) - (c)

## DNEL Eyes

mg/cm2

- (a) - (c)

- (a) - (c)

## Derived no-effect level, general population:

- Systemic effects, acute and chronic:

Epoxy resin (average molecular weight <700)

2,3-epoxypropyl neodecanoate

## DNEL Inhalation

mg/m3

- (a) - (c)

- (a) 1.00 (c)

## DNEL Cutaneous

mg/kg bw/d

3.57 (a) 3.57 (c)

- (a) 0.700 (c)

## DNEL Oral

mg/kg bw/d

0.750 (a) 0.750 (c)

- (a) 1.10 (c)

## Derived no-effect level, general population:

- Local effects, acute and chronic:

Epoxy resin (average molecular weight <700)

2,3-epoxypropyl neodecanoate

## DNEL Inhalation

mg/m3

- (a) - (c)

- (a) - (c)

## DNEL Cutaneous

mg/cm2

- (a) - (c)

- (a) - (c)

## DNEL Eyes

mg/cm2

- (a) - (c)

- (a) - (c)

(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.

(-) - DNEL not available (without data of registration REACH).



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#### PREDICTED NO-EFFECT CONCENTRATION (PNEC):

##### Predicted no-effect concentration, aquatic organisms:

- Fresh water, marine water and intermittent release:  
Epoxy resin (average molecular weight <700)  
2,3-epoxypropyl neodecanoate

##### PNEC Fresh water

mg/l  
0.00600  
0.00120

##### PNEC Marine

mg/l  
0.000600  
0.000120

##### PNEC Intermittent

mg/l  
0.0180  
0.0120

- Wastewater treatment plants (STP) and sediments in fresh- and marine water:

Epoxy resin (average molecular weight <700)  
2,3-epoxypropyl neodecanoate

##### PNEC STP

mg/l  
10.0  
50.0

##### PNEC Sediments

mg/kg dw/d  
0.996  
a/r

##### PNEC Sediments

mg/kg dw/d  
0.0996  
a/r

##### Predicted no-effect concentration, terrestrial organisms:

- Air, soil and effects for predators and humans:  
Epoxy resin (average molecular weight <700)  
2,3-epoxypropyl neodecanoate

##### PNEC Air

mg/m3  
-  
s/r

##### PNEC Soil

mg/kg dw/d  
0.196  
a/r

##### PNEC Oral

mg/kg dw/d  
11.0  
n/b

(-) - PNEC not available (without data of registration REACH).

s/r - PNEC not derived (not identified hazard).

a/r - PNEC not derived (high hazard).

n/b - PNEC not derived (not bioaccumulative potential).

8.2

#### EXPOSURE CONTROLS:

##### ENGINEERING MEASURES:



Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Protection of respiratory system: Avoid the inhalation of product.

Protection of eyes and face: It is recommended to install water taps or sources with clean water close to the working area.

Protection of hands and skin: It is recommended to install water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

##### OCCUPATIONAL EXPOSURE CONTROLS: Regulation (EU) No. 2016/425:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

##### Mask:



Mask for gases and vapours (EN14387). Class 1: low capacity up to 1000 ppm, Class 2: medium capacity up to 5000 ppm, Class 3: high capacity up to 10000 ppm. In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers.

##### Safety goggles:



Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.

##### Face shield:

No.

##### Gloves:



Gloves resistant against chemicals (EN374). When repeated or prolonged contact with the product is expected, gloves of protection level 5 or higher should be used, with a breakthrough time of >240 min. When short contact with the product is expected, use gloves with a protection level 2 or higher should be used, with a breakthrough time >30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when any sign of degradation is noted.

##### Boots:

No.

##### Apron:

No.

##### Clothing:

Advisable.

##### Thermal hazards:

Not applicable (the product is handled at room temperature).

##### ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.

Spills in water: Toxic to aquatic organisms. May cause long-term adverse effects on the aquatic environment. Do not allow to escape into drains, sewers or water courses.

- Water Management Act: This product contains the following substances included in the list of priority substances in the field of water policy under Directive 2000/60/EC~2013/39/EU: Nonilfenol (nonilfenoles) (identificado como sustancia peligrosa prioritaria).

Emissions to the atmosphere: Not applicable.



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## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9.1 | <p><u>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES :</u></p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> <li>- Physical state : Liquid.</li> <li>- Colour : Colourless.</li> <li>- Odour : Characteristic</li> <li>- Odour threshold : Not available (mixture).</li> </ul> <p><u>pH-value</u></p> <ul style="list-style-type: none"> <li>- pH : 8. at 20°C</li> </ul> <p><u>Change of state</u></p> <ul style="list-style-type: none"> <li>- Melting point : Not available</li> <li>- Initial boiling point : Not available</li> </ul> <p><u>Density</u></p> <ul style="list-style-type: none"> <li>- Vapour density : Not available</li> <li>- Relative density : 1.093* at 20/4°C Relative water</li> </ul> <p><u>Stability</u></p> <ul style="list-style-type: none"> <li>- Decomposition temperature : &gt; 200* °C</li> </ul> <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> <li>- Dynamic viscosity : 1790. cps 20°C</li> <li>- Kinematic viscosity : 560. mm2/s at 40°C</li> <li>- Dynamic viscosity : 18. ± 3. Poise 20°C</li> </ul> <p><u>Volatility:</u></p> <ul style="list-style-type: none"> <li>- Evaporation rate : Not available (lack of data).</li> <li>- Vapour pressure : Not available</li> </ul> <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> <li>- Solubility in water: : Not miscible</li> <li>- Liposolubility : Not available (mixture untested).</li> <li>- Partition coefficient: n-octanol/water : Not applicable (mixture).</li> </ul> <p><u>Flammability:</u></p> <ul style="list-style-type: none"> <li>- Flash point : Not flammable</li> <li>- Autoignition temperature : Not applicable (do not sustain combustion).</li> </ul> <p><u>Explosive properties:</u><br/>Not available.</p> <p><u>Oxidizing properties:</u><br/>Not classified as oxidizing product.</p> <p>*Estimated values based on the substances composing the mixture.</p> |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|     |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9.2 | <p><u>OTHER INFORMATION:</u></p> <ul style="list-style-type: none"> <li>- Solids : 71.6 % Volume</li> </ul> <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the corresponding technical data sheet. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p> |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 10 : STABILITY AND REACTIVITY

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.1 | <p><u>REACTIVITY:</u></p> <p><u>Corrosivity to metals:</u> It is not corrosive to metals.</p> <p><u>Pyrophorical properties:</u> It is not pyrophoric.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 10.2 | <p><u>CHEMICAL STABILITY:</u></p> <p>Stable under recommended storage and handling conditions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 10.3 | <p><u>POSSIBILITY OF HAZARDOUS REACTIONS:</u></p> <p>Possible dangerous reaction with oxidizing agents, acids, alkalis, amines.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10.4 | <p><u>CONDITIONS TO AVOID:</u></p> <p><u>Heat:</u> Keep away from sources of heat.</p> <p><u>Light:</u> If possible, avoid direct contact with sunlight.</p> <p><u>Air:</u> The product is not affected by exposure to air, but should not be left the containers open.</p> <p><u>Pressure:</u> Not relevant.</p> <p><u>Shock:</u> The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations.</p> |
| 10.5 | <p><u>INCOMPATIBLE MATERIALS:</u></p> <p>Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10.6 | <p><u>HAZARDOUS DECOMPOSITION PRODUCTS:</u></p> <p>As consequence of thermal decomposition, hazardous products may be produced: carbon monoxide.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



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## SECTION 11 : TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2018/1480 (CLP).

11.1

INFORMATION ON TOXICOLOGICAL EFFECTS:ACUTE TOXICITY:Dose and lethal concentrations

for individual ingredients :  
Epoxy resin (average molecular weight <700)  
2,3-epoxypropyl neodecanoate  
Nonylphenol ethoxylated

LD50 (OECD 401)

mg/kg bw oral  
11400. Rat  
9600. Rat  
> 500. Rat

LD50 (OECD 402)

mg/kg bw cutaneous  
> 2000. Rabbit  
3800. Rabbit  
> 2000. Rabbit

LC50 (OECD 403)

mg/m3-4h inhalation  
> 250. Rat

Estimates of acute toxicity (ATE)

for individual ingredients :  
Nonylphenol ethoxylated

ATE

mg/kg bw oral  
> 500.

ATE

mg/kg bw cutaneous  
-

ATE

mg/m3-4h inhalation  
-

(\*) - Point estimates of acute toxicity corresponding to the classification category (see GHS/CLP Table 3.1.2). These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.

(-) - The components that are assumed to have no acute toxicity at the upper threshold of category 4 for the corresponding exposure route are ignored.

No observed adverse effect level

Not available

Lowest observed adverse effect level

Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity:

| Routes of exposure                   | Acute toxicity      | Cat. | Main effects, acute and/or delayed                                                                                                       | Criteria         |
|--------------------------------------|---------------------|------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <u>Inhalation:</u><br>Not classified | ATE > 20000 mg/m3   | -    | Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).           | GHS/CLP 3.1.3.6. |
| <u>Skin:</u><br>Not classified       | ATE > 2000 mg/kg bw | -    | Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met). | GHS/CLP 3.1.3.6. |
| <u>Eyes:</u><br>Not classified       | Not available       | -    | Not classified as a product with acute toxicity by eye contact (lack of data).                                                           | GHS/CLP 1.2.5.   |
| <u>Ingestion:</u><br>Not classified  | ATE > 2000 mg/kg bw | -    | Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).         | GHS/CLP 3.1.3.6. |

GHS/CLP 3.1.3.6: Classification of mixtures based on ingredients of the mixture (additivity formula).

CORROSION / IRRITATION / SENSITISATION :

| Danger class                                               | Target organs | Cat.  | Main effects, acute and/or delayed                                                                                                  | Criteria                   |
|------------------------------------------------------------|---------------|-------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <u>Respiratory corrosion/irritation:</u><br>Not classified | -             | -     | Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met). | GHS/CLP 1.2.6.<br>3.8.3.4. |
| <u>Skin corrosion/irritation:</u><br>                      | Skin<br>      | Cat.2 | IRRITANT: Causes skin irritation.                                                                                                   | GHS/CLP 3.2.3.3.           |
| <u>Serious eye damage/irritation:</u><br>                  | Eyes<br>      | Cat.2 | IRRITANT: Causes serious eye irritation.                                                                                            | GHS/CLP 3.3.3.3.           |
| <u>Respiratory sensitisation:</u><br>Not classified        | -             | -     | Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).           | GHS/CLP 3.4.3.3.           |
| <u>Skin sensitisation:</u><br>                             | Skin<br>      | Cat.1 | SENSITISING: May cause an allergic skin reaction.                                                                                   | GHS/CLP 3.4.3.3.           |

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all components or only for some components.

ASPIRATION HAZARD:

| Danger class                                | Target organs | Cat. | Main effects, acute and/or delayed                                                                                      | Criteria          |
|---------------------------------------------|---------------|------|-------------------------------------------------------------------------------------------------------------------------|-------------------|
| <u>Aspiration hazard:</u><br>Not classified | -             | -    | Not classified as a product hazardous by aspiration (based on available data, the classification criteria are not met). | GHS/CLP 3.10.3.3. |

GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all components or only for some components.



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**SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):**

Not classified as a dangerous product for target organs (based on available data, the classification criteria are not met).

**CMR EFFECTS:**

**Carcinogenic effects:** It is not considered as a carcinogenic product.

**Genotoxicity:**

This preparation contains the following ingredients which can be mutagenic:

2,3-epoxypropyl neodecanoate (cat.2)

**Toxicity for reproduction:** Does not harm fertility. Does not harm the unborn child.

**Effects via lactation:** Not classified as a hazardous product for children breast-fed.

**DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:**

**Routes of exposure:** Not available.

**Short-term exposure:** \* This product may be a skin sensitizer. It may also be a skin irritant and repeated contact may increase this effect.

**Long-term or repeated exposure:** Not available.

**INTERACTIVE EFFECTS:**

Not available.

**INFORMATION ABOUT TOXICOKINETICS, METABOLISM AND DISTRIBUTION:**

**Dermal absorption:** Not available.

**Basic toxicokinetics:** Not available.

**ADDITIONAL INFORMATION:**

It contains epoxy based reactive diluents which are moderate to severely irritating to eyes, mucous membrane and skin and are strong sensitizers. Repeated skin contact may lead to irritation and to hyper-sensitivity, possibly with cross-sensitisation to other epoxies. Single oral exposure to doses of the epoxy based reactive diluents at or close to the lethal dose has been shown to cause transient neurotoxic effects in animals in some cases. However, uptake through skin and by inhalation has not caused such effects in animals. Prolonged exposure to high concentration may cause adverse effects in target organs such as liver and kidney.

**SECTION 12 : ECOLOGICAL INFORMATION**

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2018/1480 (CLP).

|                                                                                                                                                                                                                                            |                                       |                                                                                                                                               |                                                                                               |                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 12.1                                                                                                                                                                                                                                       | <u>TOXICITY:</u>                      |                                                                                                                                               |                                                                                               |                                                                             |
| <u>Acute toxicity in aquatic environment</u><br>for individual ingredients :<br>Epoxy resin (average molecular weight <700)<br>2,3-epoxypropyl neodecanoate<br>Nonylphenol ethoxylated                                                     |                                       | <u>LC50</u> (OECD 203)<br>mg/l-96hours<br><br>> 1.5 Fishes<br>> 5.0 Fishes<br>> 7.9 Fishes                                                    | <u>EC50</u> (OECD 202)<br>mg/l-48hours<br><br>> 1.7 Daphnia<br>> 4.8 Daphnia<br>> 14. Daphnia | <u>EC50</u> (OECD 201)<br>mg/l-72hours<br><br>> 9.4 Algae<br>> 3.5 Algae    |
| <u>No observed effect concentration</u><br><br>Epoxy resin (average molecular weight <700)                                                                                                                                                 |                                       | <u>NOEC</u> (OECD 210)<br>mg/l-28days                                                                                                         | <u>NOEC</u> (OECD 211)<br>mg/l-21days<br><br>0.30 Daphnia                                     | <u>NOEC</u> (OECD 201)<br>mg/l-72hours                                      |
| <u>Lowest observed effect concentration</u><br>Not available                                                                                                                                                                               |                                       |                                                                                                                                               |                                                                                               |                                                                             |
| <u>ASSESSMENT OF AQUATIC TOXICITY:</u>                                                                                                                                                                                                     |                                       |                                                                                                                                               |                                                                                               |                                                                             |
| <u>Aquatic toxicity</u>                                                                                                                                                                                                                    | <u>Cat.</u>                           | <u>Main hazards to the aquatic environment</u>                                                                                                |                                                                                               | <u>Criteria</u>                                                             |
| <u>Acute aquatic toxicity:</u><br>Not classified                                                                                                                                                                                           | -                                     | Not classified as a hazardous product with acute toxicity to aquatic life (based on available data, the classification criteria are not met). |                                                                                               | GHS/CLP<br>4.1.3.5.5.3.                                                     |
| <u>Chronic aquatic toxicity:</u><br>                                                                                                                    | Cat.2                                 | TOXIC: Toxic to aquatic life with long lasting effects.                                                                                       |                                                                                               | GHS/CLP<br>4.1.3.5.5.4.                                                     |
| CLP 4.1.3.5.5.3: Classification of a mixture for acute hazards, based on summation of classified components.<br>CLP 4.1.3.5.5.4: Classification of a mixture for chronic (long term) hazards, based on summation of classified components. |                                       |                                                                                                                                               |                                                                                               |                                                                             |
| 12.2                                                                                                                                                                                                                                       | <u>PERSISTENCE AND DEGRADABILITY:</u> |                                                                                                                                               |                                                                                               |                                                                             |
| Not available.                                                                                                                                                                                                                             |                                       |                                                                                                                                               |                                                                                               |                                                                             |
| <u>Aerobic biodegradation</u><br>for individual ingredients :<br>Epoxy resin (average molecular weight <700)<br>2,3-epoxypropyl neodecanoate<br>Nonylphenol ethoxylated                                                                    |                                       | <u>DQO</u><br>mgO2/g<br><br><br>2180.                                                                                                         | <u>%DBO/DQO</u><br>5 days 14 days 28 days<br><br><br>1.<br>8.                                 | <u>Biodegradability</u><br><br><br>Not easy<br>Not easy<br>Not easy         |
| Note: Biodegradability data correspond to an average of data from various bibliographic sources                                                                                                                                            |                                       |                                                                                                                                               |                                                                                               |                                                                             |
| 12.3                                                                                                                                                                                                                                       | <u>BIOACCUMULATIVE POTENTIAL:</u>     |                                                                                                                                               |                                                                                               |                                                                             |
| Not available.                                                                                                                                                                                                                             |                                       |                                                                                                                                               |                                                                                               |                                                                             |
| <u>Bioaccumulation</u><br>for individual ingredients :<br>Epoxy resin (average molecular weight <700)<br>2,3-epoxypropyl neodecanoate<br>Nonylphenol ethoxylated                                                                           |                                       | <u>log Pow</u><br><br><br>3.24<br>4.40<br>4.48                                                                                                | <u>BCF</u><br>L/kg<br><br>31. (calculated)<br>134. (calculated)<br>9.8 (calculated)           | <u>Potential</u><br><br><br>Not available<br>Not available<br>Not available |



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12.4 MOBILITY IN SOIL:

Not available.

Mobility

for individual ingredients :

Epoxy resin (average molecular weight &lt;700)

2,3-epoxypropyl neodecanoate

Nonylphenol ethoxylated

log K<sub>oc</sub>

0.650

2.83

2.68

Constant of HenryPa·m<sup>3</sup>/mol 20°CPotential

Not available

Not available

Not available

12.5 RESULTS OF PBT AND VPVB ASSESSMENT: Annex XIII of Regulation (EC) no. 1907/2006:

Does not contain substances that fulfil the PBT/VPVB criteria.

12.6 OTHER ADVERSE EFFECTS:Ozone depletion potential: # Not applicable.Photochemical ozone creation potential: Not available.Earth global warming potential: Not available.Endocrine disrupting potential: 4-nonylphenol, branched and linear have been identified as substances of very high concern and included in the Candidate List due to the endocrine disrupting properties which cause probable serious effects to the environment.**SECTION 13 : DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS: Directive 2008/98/EC~Regulation (EU) no. 1357/2014:

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Dispose this material and its container to hazardous or special waste collection point. Do not discharge into drains or the environment, dispose at an authorised waste collection point. Waste should be handled and disposed in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Directive 94/62/EC~2015/720/EU, Decision 2000/532/EC~2014/955/EU:

Emptied containers and packaging should be disposed in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:

Authorised landfill in accordance with local regulations.



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## SECTION 14 : TRANSPORT INFORMATION

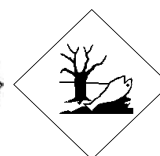
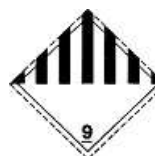
14.1 UN NUMBER: 3082

14.2 UN PROPER SHIPPING NAME:  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NO.S. (contains epoxy resin (average molecular weight <700), in mixture)

14.3 TRANSPORT HAZARD CLASS(ES):

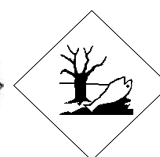
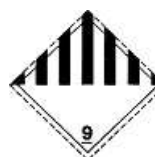
Transport by road (ADR 2019) and  
Transport by rail (RID 2019):

- Class: 9  
- Packing group: III  
- Classification code: M6  
- Tunnel restriction code: (-)  
- Transport category: 3, max. ADR 1.1.3.6. 1000 L  
- Limited quantities: 5 L (see total exemptions ADR 3.4)  
- Transport document: Consignment paper  
- Instructions in writing: ADR 5.4.3.4



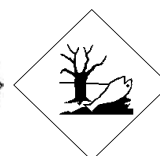
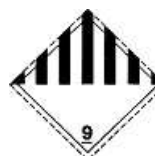
Transport by sea (IMDG 38-16):

- Class: 9  
- Packing group: III  
- Emergency Sheet (EmS): F-A, S-F  
- First Aid Guide (MFAG): -  
- Marine pollutant: Yes.  
- Transport document: Shipping Bill of lading.



Transport by air (ICAO/IATA 2018):

- Class: 9  
- Packing group: III  
- Transport document: Air Bill of lading.



Transport by inland waterways (ADN):  
Not available.

14.4 PACKING GROUP:

See section 14.3

14.5 ENVIRONMENTAL HAZARDS:

Classified as hazardous for the environment.

14.6 SPECIAL PRECAUTIONS FOR USER:

# Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are upright and secure.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:

# Not applicable.

## SECTION 15 : REGULATORY INFORMATION

15.1 EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:

The regulations applicable to this product generally are listed throughout this Safety Data Sheet.

Restrictions on manufacture, placing on market and use: See section 1.2

Tactile warning of danger: If the product is intended for the general public, is mandatory a tactile warning of danger: The technical specifications for tactile warning devices shall conform with EN ISO standard 11683 relating to 'Packaging - Tactile warnings of danger - Requirements.'

Child safety protection: Not applicable (the classification criteria are not met).

OTHER REGULATIONS:

Control of the risks inherent in major accidents (Seveso III): See section 7.2

Other local legislations:

The receiver should verify the possible existence of local regulations applicable to the chemical.

15.2 CHEMICAL SAFETY ASSESSMENT:

A chemical safety assessment has not been carried out for this mixture.



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## SECTION 16 : OTHER INFORMATION

TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

Hazard statements according the Regulation (EU) No. 1272/2008~2018/1480 (CLP), Annex III:

H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. H341o Suspected of causing genetic defects if swallowed.

EVALUATION OF THE INFORMATION ON THE DANGER OF MIXTURES: See sections 9.1, 11.1 and 12.1.

ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of Safety Data Sheets and labelling of products as well.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- European agreement on the international carriage of dangerous goods by road, (ADR 2019).
- International Maritime Dangerous Goods Code IMDG including Amendment 38-16 (IMO, 2016).

ABBREVIATIONS AND ACRONYMS:

List of abbreviations and acronyms that can be used (but not necessarily used) in this Safety Data Sheet:

- REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regulation on Classification, Labelling and Packaging of substances and chemical mixtures.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- ELINCS: European List of Notified Chemical Substances.
- CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials.
- SVHC: Substances of Very High Concern.
- PBT: Persistent, bioaccumulable and toxic substances.
- vPvB: Very persistent and very bioaccumulable substances.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LD50: Lethal dose, 50 percent.
- LC50: Lethal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangerous goods by road.
- RID: Regulations concerning the international transport of dangerous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.

SAFETY DATA SHEET REGULATIONS:

Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2015/830.

HISTORIC:Revision:

Version: 3 28/12/2017  
Version: 4 30/09/2019

Changes since previous Safety Data Sheet:

*# Legislative, contextual, numerical, methodological and normative changes since the previous version of the present Safety Data Sheet are identified by a red-italic hash (#).*

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.