



# LAVA 20 VERTICAL

## Safety Data Sheet

1/13

According to Regulation (EC) No. 1907/2006 (REACH) with its  
Amendment Regulation (EC) No.1272/2008 (CLP) and EU 2020/878

Printing date 04.10.2021

Version number 5 (replaces version 4)

Revision: 04.10.2021

### SECTION 1: Identification of the substance/mixture and of the company /undertaking

#### 1.1 Product identifier

Trade name: LAVA 20 VERTICAL

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Professional use  
Application of the substance / the mixture: Polyurethane Waterproofing coating

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

**OWL WATERPROOFING SOLUTIONS**

135 Slaney Road, Dublin Industrial Estate

Glasnevin, Dublin 11

Tel: +353 01 830 2250

Email: [info@owlwaterproofing.co.uk](mailto:info@owlwaterproofing.co.uk)

Website: [www.owlwaterproofing.co.uk](http://www.owlwaterproofing.co.uk)

#### 1.4 Emergency telephone number:



European Emergency Tel.: +353 01 830 2250

### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS02 flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



GHS08 health hazard

Resp. Sens. 1      H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT RE 2      H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2      H315 Causes skin irritation.

Eye Irrit. 2      H319 Causes serious eye irritation.

Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Chronic 3      H412 Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

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**Hazard pictograms:**

GHS02 GHS08

**Signal word:** Danger**Hazard-determining components of labelling:**

Reaction mass of ethylbenzene and m-xylene and p-xylene  
m-tolyldiene diisocyanate  
4,5-dichloro-2-octyl-2H-isothiazol-3-one

**Hazard statements:**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Description: Mixture: consisting of the following components.

**Ingredients according Regulation (EU) 2020/878:**

|  |  |                 |
|--|--|-----------------|
| EC number: 905-562-9<br>Reg.nr.: 01-2119488216-32-XXXX   | Reaction mass of ethylbenzene and m-xylene and p-xylene<br>⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412   | ≥10-<25%        |
| CAS: 26471-62-5<br>EINECS: 247-722-4<br>Index number: 615-006-00-4<br>Reg.nr.: 01-2119454791-34-XXXX | m-tolylidene diisocyanate<br>⚠ Acute Tox. 2, H330; ⚠ Resp. Sens. 1, H334; Carc. 2, H351; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412, EUH204<br>Specific concentration limit:<br>Resp. Sens. 1; H334: C ≥ 0.1 %  | ≥0.1-<1%        |
| CAS: 64359-81-5<br>EINECS: 264-843-8<br>Index number: 613-335-00-8                                   | 4,5-dichloro-2-octyl-2H-isothiazol-3-one<br>⚠ Acute Tox. 2, H330; ⚠ Skin Corr. 1, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317<br>ATE: LD50 oral: 567 mg/kg<br>Specific concentration limits:<br>Skin Irrit. 2; H315: C ≥ 0.025 %<br>Eye Irrit. 2; H319: C ≥ 0.025 %<br>Skin Sens. 1A; H317: C ≥ 0.0015 % | ≥0.0025-<0.025% |
| CAS: 1317-65-3<br>EINECS: 215-279-6  | limestone  | ≥25-<35%        |
| CAS: 13463-67-7<br>EINECS: 236-675-5<br>Index number: 022-006-00-2<br>Reg.nr.: 01-2119489379-17-XXXX | titanium dioxide<br>substance with a Community workplace exposure limit  | ≥2.5-<5%        |

**Additional information:**

(CAS:13463-67-7) Titanium dioxide

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Medical observation is required for at least 48 hours after the accident since symptoms of poisoning may not show up for several hours.

Allow affected people to get some fresh air. Request medical help immediately

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**After inhalation:**

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If the patient becomes unconscious, secure him in a side position for transportation.  
Get fresh air. Provide artificial respiratory support if necessary. Keep the patient warm.  
If symptoms last, see a doctor.

**After skin contact:**

Wash with soap and water immediately, then thoroughly rinse.  
Talk to a doctor if skin irritation persists.  
Take off any contaminated clothing.

**After eye contact:**

Rinse the opened eye under flowing water for a few minutes. Consult a doctor if the symptoms continue.  
Take off your contact lenses and keep rinsing for a few minutes.  
Avoid forceful water jets to prevent corneal injury; consult a doctor.

**After swallowing:**

Do not force yourself to vomit; instead, contact emergency help right away.  
Ensure you are getting lots of fresh air and drink. Make a doctor's appointment immediately.  
Seek emergency medical attention.  
Never offer anything by mouth to an unconscious individual.

**4.2 Most important symptoms and effects, both acute and delayed**

May be fatal if swallowed and enters airways.

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

If swallowed or in case of vomiting, danger of entering the lungs.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Use foam to put out major fires.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters****Protective equipment:**

In the event of fire, self-contained breathing gear and full protective clothes are required.

**Additional information**

Separately collect contaminated fire-fighting water. It should not go down the sewage line.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Make sure there is enough air circulation.

Avoid breathing in fumes.

Stay away from sources of ignition.

**6.1.1 For non-emergency personnel** Stay away from any leaking or flowing substances.

**6.1.2 For emergency responders**

Wear safety gear when necessary. Keep vulnerable people at a distance.

Protective gear, gloves, goggles, and a breathing device with a type A filter are required for first-aid rescuers.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

Utilize absorbent material to collect (sand, diatomite).

Make sure there is enough airflow.

Place in appropriate containers for salvage or disposal.

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**6.4 Reference to other sections:**

For details on safe handling, see Section 7.  
For details on personal protective equipment, see Section 8.  
For details on disposal, see Section 13.

**SECTION 7: Handling & storage****7.1 Precautions for safe handling**

Avoid skin, eye, and clothing contamination.  
Carefully open and handle the container.  
Handle carefully. Avoid collision, abrasion, and shaking.

**Information about fire - and explosion protection:**

Avoid smoking and keep all combustible materials away.

Safeguard against electrostatic charges.  
Never spray anything to an incandescent or a bare flame.  
Empty containers may generate flammable gas-air mixtures.  
Store it in a dry, cold, well-ventilated location, away from heat, fires, ignition, and direct sunlight.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Store in cool, dry conditions in well sealed receptacles.

**Requirements to be met by storerooms and receptacles:**

Retain in a cold environment.  
Store far from combustible materials  
Receptacles should be ventilated.

**Further information about storage conditions:**

Preserve the container tightly locked.  
Safeguard against high temperatures and sunlight.

**7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 28553-12-0 diisononyl phthalate**

|                     |                                      |
|---------------------|--------------------------------------|
| WEL (Great Britain) | Long-term value: 5 mg/m <sup>3</sup> |
|---------------------|--------------------------------------|

**CAS: 13463-67-7 titanium dioxide**

|                     |   |
|---------------------|---|
| WEL (Great Britain) | Long-term value: 10* 4** mg/m <sup>3</sup><br>*total inhalable **respirable |
|---------------------|---|

**CAS: 26471-62-5 m-tolylidene diisocyanate**

|                     |   |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 0.07 mg/m <sup>3</sup><br>Long-term value: 0.02 mg/m <sup>3</sup><br>Sen; as -NCO |
|---------------------|---|

**DNELs**

ETHYLBENZOLE REACTION MIXTURE, m-Xylol and p-Xylol.

DNEL Workers:

Inhalation - Intensive systemic effect = 289 mg / m<sup>3</sup>

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Inhalation - Chronic systemic effect = 77 mg / m<sup>3</sup>

Skin - Chronic systemic effect = 180 mg / kg

DNEL Consumers:

Mouth - Chronic systemic effect = 1.6 mg / kg

Inhalation - Intensive systemic effect = 174 mg / m<sup>3</sup>Inhalation - Chronic systemic effect = 14.8 mg / m<sup>3</sup>

Skin - Chronic systemic effect = 108 mg / kg

**PNECs**

ETHYLBENZOLE REACTION MIXTURE, m-Xylol and p-Xylol.

PNEC:

in fresh water 0.327 mg / l

in marine water 0,327 mg / l

for sediment in fresh water 12,46 mg / kg

for sediment in marinewater 12,46 mg / kg

for water, intermittent release of 0.327 mg / l

for STP 6.58 mg / l microorganisms

for the terrestrial area of 2,31 mg / kg

**8.2 Exposure controls****Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Avoid food, drink, and feed.

Prior to breaks and after work, wash your hands.

Keep your hands away from your skin and eyes.

Avoid eating, drinking, and smoking while using the product.

Avoid inhaling mists or vapors.

**Respiratory protection:**

In cases of inadequate ventilation, use an appropriate respiratory protection gear. Respiratory protection is necessary while spraying and in poorly ventilated work spaces. For brief durations of labor, a charcoal filter and particle filter A2-P2 (EN529) combination mask or an air-fed mask are advised.

**Hand protection**

Protective gloves resistant to chemicals (standard EN 374-1)

The material used for the gloves must be waterproof and resistant to the product, substance, or preparation. No advice for the glove material for the product, preparation, or chemical mixture can be made due to a lack of studies.

Choose the glove material while taking the degradation, diffusion, and penetration rates into account

**Material of gloves**

Hand protection when handling the product at room temperature:

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Recommendation: contaminated gloves should be disposed of.

The material used for the gloves must be waterproof and resistant to the product, substance, or preparation.

No advice for the glove material for the product, preparation, or chemical mixture can be made due to a lack of studies. Choose the glove material while taking the degradation, diffusion, and penetration rates into account

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**Penetration time of glove material**

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye/face protection**

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

**Body protection:**

Chemically resistant, protective work clothing (EN 14605) and boots.

**SECTION 9: Physical & chemical properties****9.1 Information on basic physical and chemical properties****General Information**

|  |                              |
|--|------------------------------|
| <b>Physical state</b>                                    | Viscous liquid               |
| <b>Colour:</b>   | Various colours              |
| <b>Odour:</b>  | Light                        |
| <b>Odour threshold:</b>                                  | Not determined               |
| <b>Melting point/freezing point:</b>                     | Not determined               |
| <b>Flammability</b>                                      | Not applicable               |
| <b>Lower and upper explosion limit</b>                   |                              |
| <b>Lower:</b>  | Not determined               |
| <b>Upper:</b>  | Not determined               |
| <b>Flash point:</b>                                      | 31 °C (ASTM D93)             |
| <b>Auto-ignition temperature:</b>                        | Product is not selfigniting. |
| <b>Decomposition temperature:</b>                        | Not determined               |
| <b>pH</b>  | Not determined               |
| <b>Kinematic viscosity</b>                               | 6000 mPas                    |
| <b>Dynamic:</b>  | Not determined               |
| <b>Solubility</b>  |                              |
| <b>water:</b>  | Not miscible                 |
| <b>Partition coefficient n-octanol/water (log value)</b> | Not determined               |
| <b>Vapour pressure:</b>                                  | Not determined               |
| <b>Density and/or relative density</b>                   |                              |
| <b>Density at 20 °C:</b>                                 | 1.34-1.35 g/cm <sup>3</sup>  |
| <b>Relative density</b>                                  | Not determined               |
| <b>Vapour density</b>                                    | Not determined               |

**9.2 Other information**

|  |                |
|--|----------------|
| <b>Appearance:</b>   |                |
| <b>Form:</b>   | Viscous liquid |
| <b>Important information on protection of health and environment, and on safety.</b> |                |
| <b>Auto-ignition temperature:</b>  | 488 °C         |

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|   |   |
|---|---|
| <b>Explosive properties:</b>              | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| <b>Solvent separation test:</b>           | <1 % (UN Part III, par. 32.5.1)   |
| <b>Solvent content:</b>                   |   |
| <b>VOC (EC)</b>                           | 262 g/l   |
| <b>Cloud point / clarification point:</b> |   |
| <b>Oxidising properties</b>               | Not considered as oxidising.  |
| <b>Evaporation rate</b>                   | Not determined  |

**Information with regard to physical hazard classes**

|  |      |
|--|------|
| <b>Explosives</b>  | Void |
| <b>Flammable gases</b>   | Void |
| <b>Aerosols</b>  | Void |
| <b>Oxidising gases</b>   | Void |
| <b>Gases under pressure</b>  | Void |
| <b>Flammable liquids</b>   |      |
| Flammable liquid and vapour.   |      |
| <b>Flammable solids</b>  | Void |
| <b>Self-reactive substances and mixtures</b>                                     | Void |
| <b>Pyrophoric liquids</b>  | Void |
| <b>Pyrophoric solids</b>   | Void |
| <b>Self-heating substances and mixtures</b>                                      | Void |
| <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| <b>Oxidising liquids</b>   | Void |
| <b>Oxidising solids</b>  | Void |
| <b>Organic peroxides</b>   | Void |
| <b>Corrosive to metals</b>   | Void |
| <b>Desensitised explosives</b>   | Void |

**SECTION 10: Stability & reactivity****10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided**

To avoid thermal decomposition do not overheat.

Stable at environment temperature.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** Avoid heat, sparkles, naked flame or other sources of ignition.**10.5 Incompatible materials** No further relevant information available.**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.

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**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

|            |                   |             |
|------------|-------------------|-------------|
| Dermal     | LD50              | 6,425 mg/kg |
| Inhalative | LC50/4 h (vapour) | 28.1 mg/l   |

**Reaction mass of ethylbenzene and m-xylene and p-xylene**

|            |           |                    |
|------------|-----------|--------------------|
| Oral       | LD50      | 4,300 mg/kg (rat)  |
| Inhalative | LC50 (4h) | 5,000 ppm (rat)    |
|            |           | 5,000 ppm (rabbit) |

**CAS: 26471-62-5 m-tolylidene diisocyanate**

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 4,130 mg/kg (rat)     |
| Dermal | LD50 | >9,400 mg/kg (rabbit) |

**CAS: 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one**

|            |                           |                 |
|------------|---------------------------|-----------------|
| Oral       | LD50                      | 567 mg/kg (ATE) |
| Inhalative | LC50/4h (dusts and mists) | 0.16 mg/l (ATE) |

**Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin sensitisation**

Inhalation may result in symptoms of allergies, asthma, or breathing problems.

Might result in an allergic skin condition.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure**

STOT Repeated Exposure Category 2

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** Based on available data, the classification criteria are not met.**Additional toxicological information:****Sensitisation** Sensitization possible through skin contact**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****CAS: 26471-62-5 m-tolylidene diisocyanate**

|            |                                |
|------------|--------------------------------|
| EC50 (48h) | 12.5 mg/l (daphnia magna)      |
| LC50 (96h) | 133 mg/l (Oncorhynchus mykiss) |

**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.

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**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects****Remark:** Harmful to fish**Additional ecological information:****General notes:**

Do not let undiluted products or substantial quantities of them into sewage systems, water courses, or groundwater.

Environmentally hazardous components are present in the product.

Detrimental to aquatic life

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Not to be disposed of with regular trash. Do not let product enter the drainage system.

Contact manufacturer for recycling information.

**Uncleaned packaging:****Recommendation:**

Official guidelines must be followed while disposing of materials.

After cleaning, packaging can be recycled or used again.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, IMDG, IATA

UN1866

**14.2 UN proper shipping name**

ADR

1866 RESIN SOLUTION

IMDG, IATA

RESIN SOLUTION

**14.3 Transport hazard class(es)**

ADR, IMDG, IATA

Class  
Label3 Flammable liquids.  
3

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|   |  |
|---|--|
| <b>14.4 Packing group</b><br>ADR, IMDG, IATA  | III  |
| <b>14.5 Environmental hazards:</b><br>Marine pollutant:   | No   |
| <b>14.6 Special precautions for user</b><br><b>Hazard identification number (Kemler code):</b><br><b>EMS Number:</b><br><b>Stowage Category</b> | Warning: Flammable liquids.<br>30<br>F-E,S-E<br>A  |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b>   | Not applicable.  |
| <b>Transport/Additional information:</b>  |  |
| <b>ADR</b><br><b>Limited quantities (LQ)</b><br><b>Excepted quantities (EQ)</b>   | 5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| <b>Transport category</b><br><b>Tunnel restriction code</b>   | 3<br>D/E   |
| <b>IMDG</b><br><b>Limited quantities (LQ)</b><br><b>Excepted quantities (EQ)</b>  | 5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| <b>UN "Model Regulation":</b>   | UN 1866 RESIN SOLUTION, 3, III   |

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on safeguarding employees' health and safety against hazards posed by chemical agents at work.

Youth protection at work: amended version of Council Directive 94/33/EC.

The amended version of Directive 92/85/EEC on the adoption of measures to promote advancements in the safety and health at work of pregnant employees, new mothers, and nursing employees

**Directive 2012/18/EU**

Named dangerous substances - ANNEX I Substance is not listed.

Seveso category P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 52a, 74

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**Safety Data Sheet**

According to Regulation (EC) No. 1907/2006 (REACH) with its Amendment Regulation (EC) No.1272/2008 (CLP) and EU 2020/878

Printing date 04.10.2021

Version number 5 (replaces version 4)

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**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on what we know right now. This, however, does not create a legally binding business relationship or a guarantee for any particular product characteristics.

**Relevant phrases**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH204 Contains isocyanates. May produce an allergic reaction.

**Training hints**

On the basis of all the available knowledge, the staff should receive the proper training about safety when handling, storing, and converting the product.

**Version number of previous version: 4****Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- 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)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative

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Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1: Skin corrosion/irritation – Category 1

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**