

# RENOLIT ALKORPLUS
# PVC SEAM SEALER
# 81028-81029-81032-81034-81035-81037-81039-81049-81050-81054

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

**1.1 Product identifier:** RENOLIT ALKORPLUS
PVC SEAM SEALER
81028-81029-81032-81034-81035-81037-81039-81049-81050-81054

**Other means of identification:**

**UFI:** R110-Y0JQ-5002-R7N2

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

Relevant uses (Professional users): Multiuse adhesive
For Professional users only.
Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of the supplier of the safety data sheet:**

RENOLIT IBÉRICA, S.A.
Ctra. del Montnegre, s/n
08470 Sant Celoni - Barcelona - España
Phone: +34 938484000 - Fax: +34 938675936
renolit.iberica@renolit.com
http://www.renolit.com/

**1.4 Emergency telephone number:** +44 1235 239 670

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**

This product contains crystalline silica but due to its liquid state it prevents particles within the size range of the breathable fraction from becoming airborne, therefore, the hazard classification linked to it does not apply to the breathable crystalline silica fraction (STOT RE).

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Carc. 2: Carcinogenicity, Category 2, H351
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

**Danger**



**Hazard statements:**

Carc. 2: H351 - Suspected of causing cancer.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
STOT SE 3: H335 - May cause respiratory irritation.

**Precautionary statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

**Supplementary information:**

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## SECTION 2: HAZARDS IDENTIFICATION (continued)

EUH019: May form explosive peroxides.
EUH208: Contains Octabenzone. May produce an allergic reaction.

**Substances that contribute to the classification**

tetrahydrofuran (CAS: 109-99-9)

**UFI:** R110-Y0JQ-5002-R7N2

**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

**3.1 Substance:**

Not relevant

**3.2 Mixture:**

**Chemical description:** Mixture composed of pigments and resins in solvents

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 109-99-9<br>EC: 203-726-8<br>Index: 603-025-00-0<br>REACH: 01-2119444314-46-XXXX | **tetrahydrofuran**[1] | ATP ATP03 | **70 - <90 %** |
| | Regulation 1272/2008 | Carc. 2: H351; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H335; EUH019 - Danger | |
| CAS: 7631-86-9<br>EC: 231-545-4<br>Index: Not relevant<br>REACH: 01-2119379499-16-XXXX | **Silicon dioxide (1 % < RCS < 10 %)**[1] | Self-classified | **1 - <2,5 %** |
| | Regulation 1272/2008 | STOT RE 2: H373 - Warning | |
| CAS: 1843-05-6<br>EC: 217-421-2<br>Index: Not relevant<br>REACH: 01-2119557833-30-XXXX | **Octabenzone**[1] | Self-classified | **0,1 - <0,5 %** |
| | Regulation 1272/2008 | Skin Sens. 1B: H317 - Warning | |
| CAS: 112-34-5<br>EC: 203-961-6<br>Index: 603-096-00-8<br>REACH: 01-2119475104-44-XXXX | **2-(2-butoxyethoxy)ethanol**[2] | ATP CLP00 | **0,01 - <0,05 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319 - Warning | |
| CAS: 84681-75-4<br>EC: 283-534-9<br>Index: Not relevant<br>REACH: Not relevant | **Barium isononanoate**[2] | Self-classified | **0,01 - <0,05 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H332 - Warning | |
| CAS: 591-65-1<br>EC: 209-726-4<br>Index: 056-002-00-7<br>REACH: Not relevant | **Barium dioleate**[2] | Self-classified | **0,01 - <0,05 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H332 - Warning | |
| CAS: 513-77-9<br>EC: 208-167-3<br>Index: 056-003-00-2<br>REACH: 01-2119489177-25-XXXX | **barium carbonate**[2] | ATP CLP00 | **0,001 - <0,01 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302 - Warning | |
| CAS: 533-00-6<br>EC: 208-551-0<br>Index: 056-002-00-7<br>REACH: 01-2120769909-30-XXXX | **Barium dibenzoate**[2] | Self-classified | **0,001 - <0,01 %** |
| | Regulation 1272/2008 | Acute Tox. 3: H301; Acute Tox. 4: H332; Eye Dam. 1: H318 - Danger | |

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

*** Changes with regards to the previous version*

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

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 55172-98-0<br>EC: 259-509-3<br>Index: 056-002-00-7<br>REACH: 01-2119978984-12-XXXX | **Barium neodecanoate**[2] | ATP CLP00 | **0,001 - <0,01 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H332 - Warning | |
| CAS: 108-95-2<br>EC: 203-632-7<br>Index: 604-001-00-2<br>REACH: 01-2119471329-32-XXXX | **phenol**[2] | ATP CLP00 | **0,001 - <0,005 %** |
| | Regulation 1272/2008 | Acute Tox. 3: H301+H311+H331; Muta. 2: H341; Skin Corr. 1B: H314; STOT RE 2: H373 - Danger | |

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

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

**Other information:**

| Identification | Specific concentration limit |
|---|---|
| tetrahydrofuran<br>CAS: 109-99-9<br>EC: 203-726-8 | % (w/w) >=25: Eye Irrit. 2 - H319<br>% (w/w) >=25: STOT SE 3 - H335 |
| phenol<br>CAS: 108-95-2<br>EC: 203-632-7 | % (w/w) >=3: Skin Corr. 1B - H314<br>1<= % (w/w) <3: Skin Irrit. 2 - H315<br>% (w/w) >=1: Eye Irrit. 2 - H319 |

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| barium carbonate<br>CAS: 513-77-9<br>EC: 208-167-3 | LD50 oral | 627 mg/kg | Rat |
| | LD50 dermal | Not relevant | |
| | LC50 inhalation vapour | Not relevant | |
| phenol<br>CAS: 108-95-2<br>EC: 203-632-7 | LD50 oral | 100 mg/kg | Rat |
| | LD50 dermal | 630 mg/kg | Rabbit |
| | LC50 inhalation vapour | 3 mg/L | |

*** Changes with regards to the previous version*

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

**By eye contact:**

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

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

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## SECTION 4: FIRST AID MEASURES (continued)

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

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

Not relevant

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

**Unsuitable extinguishing media:**

Water jet

**5.2 Special hazards arising from the substance or mixture:**

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

**5.3 Advice for firefighters:**

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

**Additional provisions:**

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

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

**6.2 Environmental precautions:**

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

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

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.
Spillages in water or sea:
Small spillages:
Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.
Large spillages:
If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

**6.4 Reference to other sections:**

See sections 8 and 13.

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## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

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

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

A.- Specific storage requirements

Maximum time: 60 Months

B.- General conditions for storage

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

**7.3 Specific end use(s):**

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| tetrahydrofuran [1]<br>CAS: 109-99-9 EC: 203-726-8 | IOELV (8h)<br>IOELV (STEL) | 50 ppm<br>100 ppm | 150 mg/m³<br>300 mg/m³ |
| Silicon dioxide (1 % < RCS < 10 %)<br>CAS: 7631-86-9 EC: 231-545-4 | IOELV (8h)<br>IOELV (STEL) | | 0,1 mg/m³ |
| 2-(2-butoxyethoxy)ethanol<br>CAS: 112-34-5 EC: 203-961-6 | IOELV (8h)<br>IOELV (STEL) | 10 ppm<br>15 ppm | 67,5 mg/m³<br>101,2 mg/m³ |
| Barium isononanoate<br>CAS: 84681-75-4 EC: 283-534-9 | IOELV (8h)<br>IOELV (STEL) | | 0,5 mg/m³ |
| Barium dioleate<br>CAS: 591-65-1 EC: 209-726-4 | IOELV (8h)<br>IOELV (STEL) | | 0,5 mg/m³ |
| barium carbonate<br>CAS: 513-77-9 EC: 208-167-3 | IOELV (8h)<br>IOELV (STEL) | | 0,5 mg/m³ |
| Barium dibenzoate<br>CAS: 533-00-6 EC: 208-551-0 | IOELV (8h)<br>IOELV (STEL) | | 0,5 mg/m³ |
| Barium neodecanoate<br>CAS: 55172-98-0 EC: 259-509-3 | IOELV (8h)<br>IOELV (STEL) | | 0,5 mg/m³ |
| phenol [1]<br>CAS: 108-95-2 EC: 203-632-7 | IOELV (8h)<br>IOELV (STEL) | 2 ppm<br>4 ppm | 8 mg/m³<br>16 mg/m³ |

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

(1) Skin

**DNEL (Workers):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| tetrahydrofuran | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 109-99-9 | Dermal | Not relevant | Not relevant | 12,6 mg/kg | Not relevant |
| EC: 203-726-8 | Inhalation | 96 mg/m³ | 300 mg/m³ | 72,4 mg/m³ | 150 mg/m³ |
| Octabenzone | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 1843-05-6 | Dermal | Not relevant | Not relevant | 1,88 mg/kg | Not relevant |
| EC: 217-421-2 | Inhalation | Not relevant | Not relevant | 6,61 mg/m³ | Not relevant |
| 2-(2-butoxyethoxy)ethanol | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 112-34-5 | Dermal | Not relevant | Not relevant | 83 mg/kg | Not relevant |
| EC: 203-961-6 | Inhalation | Not relevant | 101,2 mg/m³ | 67,5 mg/m³ | 67,5 mg/m³ |
| barium carbonate | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 513-77-9 | Dermal | Not relevant | Not relevant | 41 mg/kg | Not relevant |
| EC: 208-167-3 | Inhalation | Not relevant | Not relevant | 6,9 mg/m³ | 0,72 mg/m³ |
| Barium dibenzoate | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 533-00-6 | Dermal | Not relevant | Not relevant | 31,25 mg/kg | Not relevant |
| EC: 208-551-0 | Inhalation | Not relevant | Not relevant | 10 mg/m³ | Not relevant |
| phenol | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 108-95-2 | Dermal | Not relevant | Not relevant | 1,23 mg/kg | Not relevant |
| EC: 203-632-7 | Inhalation | Not relevant | 16 mg/m³ | 8 mg/m³ | Not relevant |

**DNEL (General population):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| tetrahydrofuran | Oral | Not relevant | Not relevant | 1,5 mg/kg | Not relevant |
| CAS: 109-99-9 | Dermal | Not relevant | Not relevant | 1,5 mg/kg | Not relevant |
| EC: 203-726-8 | Inhalation | 52 mg/m³ | 150 mg/m³ | 13 mg/m³ | 75 mg/m³ |
| Octabenzone | Oral | Not relevant | Not relevant | 0,94 mg/kg | Not relevant |
| CAS: 1843-05-6 | Dermal | Not relevant | Not relevant | 0,94 mg/kg | Not relevant |
| EC: 217-421-2 | Inhalation | Not relevant | Not relevant | 1,63 mg/m³ | Not relevant |
| 2-(2-butoxyethoxy)ethanol | Oral | Not relevant | Not relevant | 5 mg/kg | Not relevant |
| CAS: 112-34-5 | Dermal | Not relevant | Not relevant | 50 mg/kg | Not relevant |
| EC: 203-961-6 | Inhalation | Not relevant | 60,7 mg/m³ | 40,5 mg/m³ | 40,5 mg/m³ |
| barium carbonate | Oral | Not relevant | Not relevant | 3,5 mg/kg | Not relevant |
| CAS: 513-77-9 | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| EC: 208-167-3 | Inhalation | Not relevant | Not relevant | 2,1 mg/m³ | 0,12 mg/m³ |
| Barium dibenzoate | Oral | Not relevant | Not relevant | 3,21 mg/kg | Not relevant |
| CAS: 533-00-6 | Dermal | Not relevant | Not relevant | 15,63 mg/kg | Not relevant |
| EC: 208-551-0 | Inhalation | Not relevant | Not relevant | 2,79 mg/m³ | Not relevant |
| phenol | Oral | Not relevant | Not relevant | 0,4 mg/kg | Not relevant |
| CAS: 108-95-2 | Dermal | Not relevant | Not relevant | 0,4 mg/kg | Not relevant |
| EC: 203-632-7 | Inhalation | Not relevant | Not relevant | 1,32 mg/m³ | Not relevant |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| tetrahydrofuran | STP | 4,6 mg/L | Fresh water | 4,32 mg/L |
| CAS: 109-99-9 | Soil | 2,13 mg/kg | Marine water | 0,432 mg/L |
| EC: 203-726-8 | Intermittent | 21,6 mg/L | Sediment (Fresh water) | 23,3 mg/kg |
| | Oral | 0,067 g/kg | Sediment (Marine water) | 2,33 mg/kg |

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

| Identification | | | | |
|---|---|---|---|---|
| Octabenzone | STP | 1 mg/L | Fresh water | 0,052 mg/L |
| CAS: 1843-05-6 | Soil | 66,8 mg/kg | Marine water | 0,005 mg/L |
| EC: 217-421-2 | Intermittent | 0,52 mg/L | Sediment (Fresh water) | 100 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 10 mg/kg |
| 2-(2-butoxyethoxy)ethanol | STP | 200 mg/L | Fresh water | 1,1 mg/L |
| CAS: 112-34-5 | Soil | 0,32 mg/kg | Marine water | 0,11 mg/L |
| EC: 203-961-6 | Intermittent | 11 mg/L | Sediment (Fresh water) | 4,4 mg/kg |
| | Oral | 0,056 g/kg | Sediment (Marine water) | 0,44 mg/kg |
| barium carbonate | STP | 62,2 mg/L | Fresh water | 0,115 mg/L |
| CAS: 513-77-9 | Soil | 207,7 mg/kg | Marine water | Not relevant |
| EC: 208-167-3 | Intermittent | Not relevant | Sediment (Fresh water) | 600,4 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | Not relevant |
| Barium dibenzoate | STP | Not relevant | Fresh water | 0,3026 mg/L |
| CAS: 533-00-6 | Soil | 546,6 mg/kg | Marine water | 0,5313 mg/L |
| EC: 208-551-0 | Intermittent | Not relevant | Sediment (Fresh water) | 1578,9 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | Not relevant |
| phenol | STP | 2,1 mg/L | Fresh water | 0,008 mg/L |
| CAS: 108-95-2 | Soil | 0,136 mg/kg | Marine water | 0,001 mg/L |
| EC: 203-632-7 | Intermittent | 0,031 mg/L | Sediment (Fresh water) | 0,091 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,009 mg/kg |

**8.2 Exposure controls:**

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

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: AX) | CE CAT III | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | CE CAT III | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

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

D.- Eye and face protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory face protection | Face shield | CE CAT II | EN 166:2002<br>UNE-EN ISO 18526-1 al 4:2020<br>UNE-EN ISO 18526-1 al 4:2020<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. |

E.- Body protection

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

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | CE CAT III | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2005/A1:2011<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1995 | For professional use only. Clean periodically according to the manufacturer´s instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | CE CAT III | EN ISO 13287:2020<br>EN ISO 20345:2022<br>EN 13832-1:2019 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

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

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

**Environmental exposure controls:**

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

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---|---|
| V.O.C. (Supply): | 80 % weight |
| V.O.C. density at 25 ºC: | 755,01 kg/m³ (755,01 g/L) |
| Average carbon number: | 4 |
| Average molecular weight: | 72,1 g/mol |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

**Appearance:**

| | |
|---|---|
| Physical state at 20 ºC: | Liquid |
| Appearance: | Thixotropic |
| Colour: | According to the markings on the package |
| Odour: | Solvent |
| Odour threshold: | Not available * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | 65 ºC |
| Vapour pressure at 25 ºC: | 17927 Pa |
| Vapour pressure at 50 ºC: | 60472 Pa (60,47 kPa) |
| Evaporation rate at 25 ºC: | Not available * |

**Product description:**

| | |
|---|---|
| Density at 25 ºC: | 940 kg/m³ |

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

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

| | |
|---|---|
| Relative density at 25 ºC: | ≤0,94 |
| Dynamic viscosity at 25 ºC: | 1000 mPa·s |
| Kinematic viscosity at 25 ºC: | Not available * |
| Kinematic viscosity at 40 ºC: | >1500 mm²/s |
| Concentration: | Not available * |
| pH: | Not available * |
| Vapour density at 25 ºC: | Not available * |
| Partition coefficient n-octanol/water 25 ºC: | Not available * |
| Solubility in water at 25 ºC: | Not available * |
| Solubility properties: | Not available * |
| Decomposition temperature: | Not available * |
| Melting point/freezing point: | Not available * |
| **Flammability:** | |
| Flash Point: | -21 ºC |
| Flammability (solid, gas): | Not available * |
| Autoignition temperature: | 204 ºC (ASTM D3466-76) |
| Lower flammability limit: | Not available * |
| Upper flammability limit: | Not available * |
| **Particle characteristics:** | |
| Median equivalent diameter: | Not available * |

**9.2 Other information:**

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

| | |
|---|---|
| Explosive properties: | Not available * |
| Oxidising properties: | Not available * |
| Corrosive to metals: | Not available * |
| Heat of combustion: | Not available * |
| Aerosols-total percentage (by mass) of flammable components: | Not available * |
| **Other safety characteristics:** | |
| Surface tension at 25 ºC: | Not available * |
| Refraction index: | Not available * |

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

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

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

**10.2 Chemical stability:**

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

**10.3 Possibility of hazardous reactions:**

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

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

- CONTINUED ON NEXT PAGE -

## SECTION 10: STABILITY AND REACTIVITY (continued)

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|---|---|---|---|---|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids | Water | Oxidising materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

Contains substances which require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

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

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:**

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

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

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

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

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

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.
  IARC: tetrahydrofuran (2B); Polyvinyl chloride (3); Silicon dioxide (1 % < RCS < 10 %) (3); Mica (RCS < 1%) (1); phenol (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

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

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

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

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

- CONTINUED ON NEXT PAGE -

## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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

H- Aspiration hazard:

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

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Silicon dioxide (1 % < RCS < 10 %)<br>CAS: 7631-86-9<br>EC: 231-545-4 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | >5000 mg/kg | Rabbit |
| | LC50 inhalation | | |
| | LC50 inhalation dust | | |
| Octabenzone<br>CAS: 1843-05-6<br>EC: 217-421-2 | LD50 oral | 10000 mg/kg | Rat |
| | LD50 dermal | | |
| | LC50 inhalation | | |
| | LC50 inhalation dust | | |
| barium carbonate<br>CAS: 513-77-9<br>EC: 208-167-3 | LD50 oral | 627 mg/kg | Rat |
| | LD50 dermal | | |
| | LC50 inhalation | | |
| | LC50 inhalation dust | | |
| phenol<br>CAS: 108-95-2<br>EC: 203-632-7 | LD50 oral | 100 mg/kg | Rat |
| | LD50 dermal | 630 mg/kg | Rabbit |
| | LC50 inhalation dust | 0,5 mg/L | |

**Acute Toxicity Estimate (ATE mix):**

| ATE mix | | Ingredient(s) of unknown toxicity |
|---|---|---|
| Oral | >2000 mg/kg (Calculation method) | 0 % |
| Dermal | >2000 mg/kg (Calculation method) | 0 % |
| LC50 inhalation vapour | >20 mg/L (4 h) (Calculation method) | 0 % |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

## SECTION 12: ECOLOGICAL INFORMATION

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

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

**12.1 Toxicity:**

**Acute toxicity:**

- CONTINUED ON NEXT PAGE -

## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| tetrahydrofuran | LC50 | 2160 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 109-99-9 | EC50 | 3485 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-726-8 | EC50 | Not relevant | | |
| 2-(2-butoxyethoxy)ethanol | LC50 | 1300 mg/L (96 h) | Lepomis macrochirus | Fish |
| CAS: 112-34-5 | EC50 | 2850 mg/L (24 h) | Daphnia magna | Crustacean |
| EC: 203-961-6 | EC50 | 53 mg/L (192 h) | Microcystis aeruginosa | Algae |
| phenol | LC50 | 14 mg/L (96 h) | Leuciscus idus | Fish |
| CAS: 108-95-2 | EC50 | 12 mg/L (24 h) | Daphnia magna | Crustacean |
| EC: 203-632-7 | EC50 | 370 mg/L (96 h) | Chlorella vulgaris | Algae |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| phenol | NOEC | 0,077 mg/L | Cirrhina mrigala | Fish |
| CAS: 108-95-2 EC: 203-632-7 | NOEC | 0,16 mg/L | Daphnia magna | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| tetrahydrofuran | BOD5 | Not relevant | Concentration | 100 mg/L |
| CAS: 109-99-9 | COD | Not relevant | Period | 14 days |
| EC: 203-726-8 | BOD5/COD | Not relevant | % Biodegradable | 100 % |
| 2-(2-butoxyethoxy)ethanol | BOD5 | 0,25 g O2/g | Concentration | 100 mg/L |
| CAS: 112-34-5 | COD | 2,08 g O2/g | Period | 28 days |
| EC: 203-961-6 | BOD5/COD | 0,12 | % Biodegradable | 92 % |
| phenol | BOD5 | 1,68 g O2/g | Concentration | 100 mg/L |
| CAS: 108-95-2 | COD | 2,33 g O2/g | Period | 14 days |
| EC: 203-632-7 | BOD5/COD | 0,72 | % Biodegradable | 85 % |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification | Bioaccumulation potential | |
|---|---|---|
| tetrahydrofuran | BCF | 3 |
| CAS: 109-99-9 | Pow Log | 0.46 |
| EC: 203-726-8 | Potential | Low |
| 2-(2-butoxyethoxy)ethanol | BCF | 0.46 |
| CAS: 112-34-5 | Pow Log | 0.56 |
| EC: 203-961-6 | Potential | Low |
| phenol | BCF | 17 |
| CAS: 108-95-2 | Pow Log | 1.48 |
| EC: 203-632-7 | Potential | Low |

**12.4 Mobility in soil:**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| tetrahydrofuran | Koc | 23 | Henry | 7,19 Pa·m³/mol |
| CAS: 109-99-9 | Conclusion | Very High | Dry soil | Yes |
| EC: 203-726-8 | Surface tension | 2,498E-2 N/m (25 ºC) | Moist soil | Yes |
| 2-(2-butoxyethoxy)ethanol | Koc | 48 | Henry | 7,2E-9 Pa·m³/mol |
| CAS: 112-34-5 | Conclusion | Very High | Dry soil | Not relevant |
| EC: 203-961-6 | Surface tension | 3,395E-2 N/m (25 ºC) | Moist soil | Not relevant |
| phenol | Koc | 50 | Henry | 2,2E-2 Pa·m³/mol |
| CAS: 108-95-2 | Conclusion | Very High | Dry soil | Yes |
| EC: 203-632-7 | Surface tension | 1,847E-2 N/m (231,01 ºC) | Moist soil | Yes |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

**12.5 Results of PBT and vPvB assessment:**

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not meet the criteria.

**12.7 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|---|---|---|
| 08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances | Hazardous |

**Type of waste (Regulation (EU) No 1357/2014):**

HP3 Flammable, HP15 Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP7 Carcinogenic, HP4 Irritant — skin irritation and eye damage

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

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

## SECTION 14: TRANSPORT INFORMATION

**Other information:**

ADR land transport category (for CMR consignment letter): 2

**Transport of dangerous goods by land:**

With regard to ADR 2023 and RID 2023:




| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1133 |
| **14.2** | **UN proper shipping name:** | ADHESIVES |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | II |
| **14.5** | **Environmental hazards:** | No |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 640D |
| | Tunnel restriction code: | D/E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Not relevant |

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:

- CONTINUED ON NEXT PAGE -

## SECTION 14: TRANSPORT INFORMATION (continued)




| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1133 |
| **14.2** | **UN proper shipping name:** | ADHESIVES |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | II |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | Not relevant |
| | EmS Codes: | F-E, S-D |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| | Segregation group: | Not relevant |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Not relevant |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2025:




| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1133 |
| **14.2** | **UN proper shipping name:** | ADHESIVES |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | II |
| **14.5** | **Environmental hazards:** | No |
| **14.6** | **Special precautions for user** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Not relevant |

## SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---|---|---|---|
| P5c | FLAMMABLE LIQUIDS | 5000 | 50000 |

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ….) :**

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
Laboral exposure to respirable crystalline silica must be controlled in accordance with Directive (EU) 2022/431, of the European Parliament and of the Council, of March 9, 2022, amending Directive 2004/37/EC, relating to the protection of workers against risks related to exposure to carcinogens or mutagens during work.

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

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

- CONTINUED ON NEXT PAGE -

## SECTION 15: REGULATORY INFORMATION (continued)

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):

· Removed substances

Mica (RCS < 1%) (12001-26-2)

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

H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H335: May cause respiratory irritation.
H225: Highly flammable liquid and vapour.

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

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

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H332 - Harmful if inhaled.
Carc. 2: H351 - Suspected of causing cancer.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H335 - May cause respiratory irritation.

**Classification procedure:**

Eye Irrit. 2: Calculation method
Carc. 2: Calculation method
STOT SE 3: Calculation method
Flam. Liq. 2: Calculation method (2.6.4.3)

**Advice related to training:**

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

**Principal bibliographical sources:**

http://echa.europa.eu
http://eur-lex.europa.eu

**Abbreviations and acronyms:**

- CONTINUED ON NEXT PAGE -



**RENOLIT ALKORPLUS**
**PVC SEAM SEALER**
**81028-81029-81032-81034-81035-81037-81039-81049-81050-81054**



## SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

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

- END OF SAFETY DATA SHEET -