

Revision nr. 3

Dated 08/07/2019

SIMP PROTEZIONE

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| | | Replaced revision:2 (Dated: 21/10/2014) | | | | |
|---|---|---|--|--|--|--|
| Safety Data Sheet According to Annex II to REACH - Regulation 2015/830 | | | | | | |
| SECTION 1. Identification | of the substance/mixture and of the company/under | taking | | | | |
| 1.1. Product identifier Code: Product name | C00273-(09528, 09529) SIMP PROTEZIONE | | | | | |
| | 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Self-leveling liquid membrane for building; hygrohardener, methoxy-silanic based product. | | | | | |
| IDENTIFIED USES SU 17, 1 ERC 5, 8 PROC 10 PC 1 | b | | | | | |
| 1.3. Details of the supplier of the sa Name Full address District and Country | PIGAL S.R.L. A SOCIO UNICO Via G. Rossa, 2 40053 VALSAMOGGIA - Crespellano (BO) ITALIA Tel. +39 051969068 Fax +39 051969353 | | | | | |
| e-mail address of the competent pers | | | | | | |
| responsible for the Safety Data Shee 1.4. Emergency telephone number For urgent inquiries refer to | health.safety@pigal.it; pigalab@pigal.it 118 (contattare il centro antiveleni più vicino)/please co control center 39 051969068 ore ufficio/office hours (8.30-13; 14-17.30 | | | | | |

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2015/830. Hazard classification and indication:

2.2. Label elements



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Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

| Hazard pictograms: | |
|---------------------------|--|
| Signal words: | - |
| Hazard statements: | |
| EUH210 EUH208 | Safety data sheet available on request. Contains:, N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENE DIAMINE May produce an allergic reaction. |
| Precautionary statements: | |

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

During cross-linking it develops METHANOL (CAS 67-56-1) by hydrolysis.

--

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

| Identification | x = Conc. % | Classification 1272/2008 (CLP) |
|--|-------------------|---|
| Hydrocarbons, n-alkanes, <2% AROMATIC CAS 64771-72-8 | 6≤x< 7 | Asp. Tox. 1 H304, EUH066 |
| EC | | |
| INDEX - | | |
| Reg. no. 01-2119475608-26 | | |
| METHANOL | | |
| CAS 67-56-1 | released | Flam. Liq. 2 H225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370 |
| EC 200-659-6 | | |
| INDEX 603-001-00-X | | |
| N-[3-(TRIMETHOXYSILYL)PROPY | LJETHYLENE | |
| CAS 1760-24-3 | $0,8 \le x < 0,9$ | Acute Tox. 4 H332, STOT RE 2 H373, Eye Dam. 1 H318, Skin Sens. 1 H317 |
| EC 217-164-6 | | |
| INDEX - | | |
| Reg. no. 01-2119970215-39 | | |
| | | |

The full wording of hazard (H) phrases is given in section 16 of the sheet.



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SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.



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6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany): 10

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

| DEU ESP GBR GRC HRV ITA EU | Deutschland España United Kingdom Ελλάδα Hrvatska Italia OEL EU | TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte INSHT - Límites de exposición profesional para agentes químicos en España 2017 EH40/2005 Workplace exposure limits EΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012 NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva Decreto Legislativo 9 Aprile 2008, n.81 Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive |
|--|---|---|
| | OEL EU | Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC. |
| | TLV-ACGIH | ACGIH 2018 |

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VND

26,9 mg/kg/d

VND

0,3 mg/kg/d

Skin.

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VND

0,69 mg/kg/d

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|---|--|----------------|---------------|--|-----------------------|--|------------------------|---------------------|
| METHANOL | | | | | | | | |
| Threshold Limit Value | | 774/4/01 | | 0751/15 | | | | |
| Туре | Country | TW A/8h | | STEL/15min | | | | |
| | | mg/m3 | ppm | mg/m3 | ppm | | | |
| AGW | DEU | 270 | 200 | 1080 | 800 | SKIN | | |
| MAK | DEU | 270 | 200 | 1080 | 800 | SKIN | | |
| VLA | ESP | 266 | 200 | | | SKIN | | |
| WEL | GBR | 266 | 200 | 333 | 250 | SKIN | | |
| TLV | GRC | 260 | 200 | 325 | 250 | | | |
| GVI | HRV | 260 | 200 | | | SKIN | | |
| VLEP | ITA | 260 | 200 | | | SKIN | | |
| OEL | EU | 260 | 200 | | | SKIN | | |
| TLV-ACGIH | | 262 | 200 | 328 | 250 | | | |
| | | | | | | | | |
| N-[3-(TRIMETHOXYSILYL) Predicted no-effect concentratio | n - PNEC | LENE DIAMINE | | | | | | |
| Normal value in fresh water | | | | 0,062 | mg | /1 | | |
| Normal value in marine water | | | | 0,0062 | mg | /I | | |
| Normal value for fresh water see | diment | | | 0,22 | mg | /kg | | |
| Normal value for marine water s | ediment | | | 0,022 | mg | /kg | | |
| Normal value for water, intermit | tent release | | | 0,62 | mg | /I | | |
| Normal value of STP microorga | nisms | | | 25 | mg | /I | | |
| Normal value for the terrestrial of | compartment | | | 0,0085 | mg | /kg | | |
| Health - Derived no-effect | level - DNEL / D | MEL | | | | | | |
| | Effects on consumers | | | | Effects on workers | | | |
| Route of exposure | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Inhalation | | | | 8,7 mg/m3 | | <u> </u> | | 35,3 mg/m3 |
| Skin | | 17 mg/kg bw/d | | 2,5 mg/kg bw/d | | 5 mg/kg bw/c |] | 5 mg/kg bw/o |
| VINYLTRIMETHOXYSILAN Predicted no-effect concentrati | | | | | | | | |
| Normal value in fresh water Normal value in marine water Normal value for fresh water se Normal value for water, intermi Normal value of STP microorg Normal value for the terrestrial | ittent release anisms compartment | | | 0,34 0,034 0,27 3,4 110 0,046 | | mg/ mg/ mg/ mg/ mg/ mg/ | /I /kg /I | |
| Health - Derived no-effect | t level - DNEL / Effects on consumers. | DMEL | | | Effects on workers | | | |
| Route of exposure | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral. | | | VND | 0,3 mg/kg/d | | | | |
| Inhalation. | VND | 93,4 mg/m3 | VND | 1,04 mg/m3 | | | VND | 4,9 mg/m3 |
| Claim | | 00.0 | | 0.0 | | | | 0.00 |



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BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)SEBACATE

Predicted no-effect concentration - PNEC.

| Normal value in fresh water | 0,005 | mg/l |
|--|--------|-------|
| Normal value in marine water | 0,0005 | mg/l |
| Normal value for fresh water sediment | 8,02 | mg/kg |
| Normal value for marine water sediment | 0,802 | mg/kg |
| Normal value of STP microorganisms | 1 | mg/l |
| Normal value for the terrestrial compartment | 1,6 | mg/kg |
| Health - Derived no-effect level - DNEL / DMEL | | |

| Route of exposure | Effects on consumers. Acute local | Acute systemic | Chronic local | Chronic | Effects on workers Acute local | Acute | Chronic local | Chronic |
|-------------------|---|----------------------------|---------------|-----------|--------------------------------------|-----------|---------------|-----------|
| | | · · · · · , · · · · | | systemic | | systemic | | systemic |
| Oral. | VND | 1 mg/kg | VND | 1 mg/kg | | | | |
| Inhalation. | VND | 1,4 mg/m3 | VND | 1,4 mg/m3 | VND | 5,6 mg/m3 | VND | 5,6 mg/m3 |
| Skin. | VND | 1 mg/kg | VND | 1 mg/kg | VND | 2 mg/kg | VND | 2 mg/kg |
| | | | | | | | | |

BUMETRIZOLE

| DOWLTNZOLL | | | | | | |
|-------------------------|--|------------|------------|-------|-----|--|
| Threshold Limit Value. | | | | | | |
| Type Country TWA/8h STE | | STEL/15min | STEL/15min | | | |
| | | mg/m3 | ppm | mg/m3 | ppm | |
| TLV-ACGIH | | 10 | | | | |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

TLV of solvent mixture: 262 mg/m3

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with gloves nitrile gloves (thickness 0.3mm, permeation time> 480 min.). In case of continuous exposure use butyl rubber gloves (thickness 0.4mm, permeation time> 480 min.) - see standard EN 374.

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.



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ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Appearance | viscous liquid |
|--|------------------------|
| Colour | light grey |
| Odour | Characteristic (vinyl) |
| Odour threshold | Not available |
| рН | Not available |
| Melting point / freezing point | Not available |
| Initial boiling point | Not available |
| Boiling range | Not available |
| Flash point | Not applicable |
| Evaporation Rate | Not available |
| Flammability of solids and gases | Not available |
| Lower inflammability limit | Not available |
| Upper inflammability limit | Not available |
| Lower explosive limit | Not available |
| Upper explosive limit | Not available |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Relative density | 1,44 |
| Solubility | immiscible with water |
| Partition coefficient: n-octanol/water | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | ca. 15.000 Cps |
| Explosive properties | Not available |
| Oxidising properties | Not available |
| | |
| Odor: | |

Odor:

| VOC (Directive 2010/75/EC) : | 5,00 % | - | 78,00 | g/litre |
|------------------------------|--------|---|-------|---------|
| VOC (volatile carbon) : | 0 | | | |

SECTION 10. Stability and reactivity

10.1. Reactivity



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There are no particular risks of reaction with other substances in normal conditions of use.

The product reacts slowly in the presence of water (through environmental humidity) becoming a rubbery solid and producing METHANOL.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released. In case of combustion: Carbon monoxide and carbon dioxide, smoke, nitrogen oxides, etc.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

METHANOL

WORKERS: inhalation; contact with the skin. POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

METHANOL

The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

Interactive effects

Information not available



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ACUTE TOXICITY

LC50 (Inhalation) of the mixture: > 20 mg/l LD50 (Oral) of the mixture: >2000 mg/kg LD50 (Dermal) of the mixture: >2000 mg/kg

C10-C13 hydrocarbons, n-alkanes, <2% AROMATIC LD50 (Oral) > 2000 mg/kg Rattus sp. LD50 (Dermal) > 2000 mg/kg Oryctolagus sp. LC50 (Inhalation) > 5 mg/l Rattus sp.

N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENE DIAMINE LD50 (Oral) 2295 mg/kg Rattus sp. LD50 (Dermal) > 2000 mg/kg Oryctolagus sp. LC50 (Inhalation) 1,49 mg/l/4h Rattus sp.

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.Contains:N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENE DIAMINE

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class



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ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: ca. 15.000 Cps

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

| N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENE DIAMINE | |
|--|--------------------------------------|
| LC50 - for Fish | 344 mg/l/96h Brachydanio rerio |
| EC50 - for Crustacea | 81 mg/l/48h Daphnia magna |
| EC50 - for Algae / Aquatic Plants | 126 mg/l/72h Scenedesmus subspicatus |
| | |

12.2. Persistence and degradability

| METHANOL | |
|--|-------------------|
| Solubility in water | 1000 - 10000 mg/l |
| Rapidly degradable | |
| N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENE DIAMINE NOT rapidly degradable | |
| 12.3. Bioaccumulative potential | |
| METHANOL | |

| Partition coefficient: n-octanol/water | -0,77 |
|--|-------|
| BCF | 0,2 |

12.4. Mobility in soil

Mobility is limited by the transformation into an insoluble solid by reaction with humidity.

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

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Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

The valid EEC waste code are largely source-related; the manifacturer is, therefore, unable to specify waste codes for products used in various sectors. Small quantities of cured product can be treated as industrial waste similar to MSW. CER-code (suggested): 08 04 10.

SECTION 14. Transport information

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The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

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| 4.7. Transport in bulk according t | o Annex II of M | arpol and the IBC Code | |
| formation not relevant | | | |
| SECTION 15. Regulatory | / informatic | on | |
| 15.1. Safety, health and environm | ental regulatio | ns/legislation specific for the substance or mixture | |
| eveso Category - Directive 2012/18 | /EC: None | | |
| Restrictions relating to the product or | contained subst | tances pursuant to Annex XVII to EC Regulation 1907/2 | 2006 |
| Product | 40 | | |
| Point | 40 | | |
| Contained substance | | | |
| Point | 69 | METHANOL | |
| Substances in Candidate List (Art. 59 | REACH) | | |
| On the basis of available data, the pro | oduct does not c | contain any SVHC in percentage greater than 0,1%. | |
| Substances subject to authorisation (| Annex XIV REA | <u>СН)</u> | |
| lone | | | |
| Substances subject to exportation rep | porting pursuant | to (EC) Reg. 649/2012: | |
| lone | | | |
| Substances subject to the Rotterdam | Convention: | | |
| lone | | | |
| substances subject to the Stockholm | Convention: | | |
| lone | | | |
| lealthcare controls | | | |
| nformation not available | | | |
| | | | |
| 15.2. Chemical safety assessmen | ıt | | |
| lo chemical safety assessment has b | been processed | for the mixture and the substances it contains. | |

SECTION 16. Other information



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Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| Flam. Liq. 2 | Flammable liquid, category 2 |
|--------------|--|
| Acute Tox. 3 | Acute toxicity, category 3 |
| STOT SE 1 | Specific target organ toxicity - single exposure, category 1 |
| Acute Tox. 4 | Acute toxicity, category 4 |
| Asp. Tox. 1 | Aspiration hazard, category 1 |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, category 2 |
| Eye Dam. 1 | Serious eye damage, category 1 |
| Skin Sens. 1 | Skin sensitization, category 1 |
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H331 | Toxic if inhaled. |
| H370 | Causes damage to organs. |
| H332 | Harmful if inhaled. |
| H304 | May be fatal if swallowed and enters airways. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH210 | Safety data sheet available on request. |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).



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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

01/02/03/04/05/07/08/09/10/11/12/13/14/15/16.