| Meccanocar Italia S.r.I. | | | Revision nr. 5 | |
|---|--|---|---|--|
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| Accord SECTION 1. Identification of the subs | Safety Data S | egulation 2015/830 | aking | |
| SECTION 1. Identification of the subs | | or the company/underta | akiiiy | |
| 1.1. Product identifier Code: Product name | 409 00 01200-AN305-72 PTFE RESIN | | | |
| 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Anaerobic product for sealing threaded parts | | | | |
| 1.3. Details of the supplier of the safety data sheet Name Full address District and Country | Meccanocar Italia S.r.l. Via San Francesco, 22 56033 Capannoli (PI) Italy | | | |
| | Tel. +39 0587 609433 Fax +39 0587 607145 | | | |
| e-mail address of the competent person | | | | |
| responsible for the Safety Data Sheet | moreno.meini@meccanoo | ar.it | | |
| 1.4. Emergency telephone number For urgent inquiries refer to | National Poisons Informat | tion Service: +44 121 507 4123 | | |
| SECTION 2. Hazards identification | | | | |
| 2.1. Classification of the substance or mixture | | | | |
| The product is classified as hazardous pursuant to the supplements). The product thus requires a safety datash Any additional information concerning the risks for health | neet that complies with the pr | ovisions of (EU) Regulation 2015/ | 830. | |
| Hazard classification and indication: Eye irritation, category 2 Skin sensitization, category 1 | H319 H317 | Causes serious eye irritation. May cause an allergic skin re | | |

2.2. Label elements

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

Hazard pictograms:

| | Meccanoca | ar Italia S.r.I. | Revision nr. 5 Dated 02/07/2020 | |
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| | | | | |
| \checkmark | | | | |
| Signal words: | Warning | | | |
| lazard statements: | | | | |
| H319 H317 | Causes serious eye irritation May cause an allergic skin re | | | |
| Precautionary statements: | | | | |
| P280 | Wear protective gloves / eye | | | |
| P261 P333+P313 | Avoid breathing dust / fume / If skin irritation or rash occurs | gas / mist / vapours / spray. s: Get medical advice / attention. | | |
| P337+P313 P362+P364 | If eye irritation persists: Get r Take off contaminated clothin | | | |
| Contains: | 2-HYDROXYETHYL METHA | CRYLATE | | |
| .3. Other hazards | | | | |
| | | | | |
| In the basis of available d | ata, the product does not conta | in any PBT or vPvB in percentage greater than 0,1%. | | |
| SECTION 3. Com | position/information | on ingredients | | |
| 3.2. Mixtures | | | | |
| . | | | | |
| iontains: | | | | |
| Identification | x = Conc. % | Classification 1272/2008 (CLP) | | |
| Identification 2-HYDROXYETHYL METHACRYLATE | | | note according to Annov | |
| Identification 2-HYDROXYETHYL METHACRYLATE CAS 868-77-9 | x = Conc. % 27 ≤ x < 28,5 | Classification 1272/2008 (CLP) Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification VI to the CLP Regulation: D | note according to Annex | |
| Identification 2-HYDROXYETHYL | | Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification | note according to Annex | |
| Identification 2-HYDROXYETHYL METHACRYLATE CAS 868-77-9 EC 212-782-2 INDEX - | 27 ≤ x < 28,5 | Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification | note according to Annex | |
| Identification 2-HYDROXYETHYL METHACRYLATE CAS 868-77-9 EC 212-782-2 | 27 ≤ x < 28,5 69-29-XXXX | Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification | note according to Annex | |
| Identification 2-HYDROXYETHYL METHACRYLATE CAS 868-77-9 EC 212-782-2 INDEX - Reg. no. 01-211949016 | 27 ≤ x < 28,5 69-29-XXXX | Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification VI to the CLP Regulation: D Org. Perox E H242, Acute Tox. 3 H331, Acute Tox. H312, STOT RE 2 H373, Skin Corr. 1B H314, Eye I | 4 H302, Acute Tox. 4 | |
| Identification 2-HYDROXYETHYL METHACRYLATE CAS 868-77-9 EC 212-782-2 INDEX - Reg. no. 01-211949016 CUMENE HYDROPERC CAS 80-15-9 EC 201-254-7 | 27 ≤ x < 28,5 69-29-XXXX DXIDE | Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification VI to the CLP Regulation: D Org. Perox E H242, Acute Tox. 3 H331, Acute Tox. | 4 H302, Acute Tox. 4 | |
| 2-HYDROXYETHYL METHACRYLATE CAS 868-77-9 EC 212-782-2 INDEX - Reg. no. 01-211949016 CUMENE HYDROPERO CAS 80-15-9 | $27 \le x < 28,5$ 59-29-XXXX DXIDE $0,75 \le x < 0,85$ | Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification VI to the CLP Regulation: D Org. Perox E H242, Acute Tox. 3 H331, Acute Tox. H312, STOT RE 2 H373, Skin Corr. 1B H314, Eye I | 4 H302, Acute Tox. 4 | |
| Identification 2-HYDROXYETHYL METHACRYLATE CAS 868-77-9 EC 212-782-2 INDEX - Reg. no. 01-211949016 CUMENE HYDROPERC CAS 80-15-9 EC 201-254-7 INDEX - Reg. no. 012119475796 | $27 \le x < 28,5$ 59-29-XXXX DXIDE $0,75 \le x < 0,85$ | Eye Irrit. 2 H319, Skin Sens. 1 H317, Classification VI to the CLP Regulation: D Org. Perox E H242, Acute Tox. 3 H331, Acute Tox. H312, STOT RE 2 H373, Skin Corr. 1B H314, Eye I Chronic 2 H411 | 4 H302, Acute Tox. 4 | |

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4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after 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 in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

2-HYDROXYETHYL METHACRYLATE

| Predicted no-effect concent | tration - PNEC | | | | | | | |
|---------------------------------------|-------------------------|----------------|---------------|---------------------|-----------------------|-------------------|---------------|---|
| Normal value in fresh water | • | | | 0,482 | m | g/l | | |
| Normal value in marine water | | | 0,482 | m | g/l | | | |
| Normal value for fresh water sediment | | | 3,79 | m | g/kg | | | |
| Normal value for marine wa | ater sediment | | | 3,79 | m | g/kg | | |
| Normal value of STP micro | organisms | | | 10 | m | g/l | | |
| Normal value for the terrest | rial compartment | | | 0,476 | m | g/kg | | |
| Health - Derived no-ef | fect level - DNEL / [| 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 |
| Oral | | | | 0,83 mg/kg bw/d | | ojotornio | | ey et el la |
| Inhalation | | | | 2,9 mg/m3 | | | | 4,9 mg/m3 |
| Skin | | | | 0,83 mg/kg bw/d | | | | 1,3 mg/kg bw/d |
| | | | | | | | | |
| CUMENE HYDROPER | JAIDE | | | | | | | |

Predicted no-effect concentration - PNEC

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|--------------------------------|----------------------|----------------|---------------|----------|-------------|----------|---------------------------|-----------------|
| | | | | | | | | |
| Normal value in fresh water | | | | 0,003 | m | g/l | | |
| Normal value in marine wate | er | | | 0 | mį | g/l | | |
| Normal value for fresh water | sediment | | | 0,023 | mį | g/kg | | |
| Normal value for marine wat | er sediment | | | 0,002 | mę | g/kg | | |
| Normal value of STP microo | rganisms | | | 0,35 | mį | g/l | | |
| Normal value for the terrestri | ial compartment | | | 0,003 | mį | g/kg | | |
| Health - Derived no-effe | ect level - DNEL / I | DMEL | | | | | | |
| | Effects on | | | | Effects on | | | |
| | consumers | | | | workers | | | |
| Route of exposure | Acute local | Acute systemic | Chronic local | Chronic | Acute local | Acute | Chronic local | Chronic |
| | | | | systemic | | systemic | : | systemic |
| Inhalation | | | | | | | | 6 mg/m3 |

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

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.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (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 II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 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.

ENVIRONMENTAL EXPOSURE CONTROLS

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

2-HYDROXYETHYL METHACRYLATE

Butyl rubber. Breakthrough time: 480 min

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Glove thickness: 0.3 mm

Guideline: EN 374

Additional Information: Observe the permeability and breakthrough time instructions provided by the glove supplier. Also take into consideration the specific local conditions in which the product is used, such as the danger of cuts, abrasions and contact times., The above mentioned hand protection is based on a specific knowledge of the chemical and of the expected handling of this product however, it may not be suitable for all workplaces. A qualified hazard assessment must be carried out before starting work in order to determine the suitability of the gloves for specific work environments and processes., The gloves must be discarded and replaced if there are indications of degradation or chemical innovation.

CUMENE HYDROPEROXIDE

Respiratory equipment: use a respiratory filter with gas filter DIN EN 141 Type A (brown color code): up to 0.1 vol.% Class 1; up to 0.5 vol.% class 2; up to 1% by volume class 3; above 1% and if conditions are unclear, breathing device independent of the environment.

Hand protection: wear resistant protective gloves (tested according to DIN EN 374). Avoid direct contact with the chemical / product / preparation with organizational measures. The glove material must be impermeable and resistant to the product / the substance / the preparation. Check the protective gloves before each use for their proper conditions. After using gloves, apply skin cleaners and skin cosmetics. Selection of glove material in consideration of breakthrough times, diffusion rates and degradation

Glove material: fluorocarbon rubber, PVC

The choice of the ideal depends on the material and also on the quality of the gloves. The degree of protection varies from manufacturer to manufacturer. Since the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and must therefore be checked before application.

Eye protection: basketball glasses (DIN EN 58211, number 3), face protection.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Appearance | dense liquid |
|--|--------------------|
| Colour | white |
| Odour | characteristic |
| Odour threshold | Not available |
| рН | Not available |
| Melting point / freezing point | Not available |
| Initial boiling point | Not available |
| Boiling range | Not available |
| Flash point | > 100 °C |
| Evaporation rate | Not available |
| Flammability (solid, gas) | 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 | 1,08 |
| Solubility | insoluble in water |
| Partition coefficient: n-octanol/water | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Explosive properties | Not available |
| | |

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Oxidising properties

Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

2-HYDROXYETHYL METHACRYLATE

Heat-evolving polymerization can occur in the presence of radical-forming substances (eg peroxides), reducing substances and / or heavy metal ions.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

2-HYDROXYETHYL METHACRYLATE

Ultraviolet light. High temperature The product is normally supplied in a stabilized form. If the permitted storage period and / or storage temperature are exceeded, the product may polymerize with the evolution of heat.

CUMENE HYDROPEROXIDE

Temperatures above 80 ° C (decomposition of cumene hydroxide).

10.5. Incompatible materials

2-HYDROXYETHYL METHACRYLATE

Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents.

CUMENE HYDROPEROXIDE

Risk of explosion in contact with rust, ash, dirt, accelerators such as salts of heavy metals and tertiary amines; vigorous reaction on contact with concentrated mineral acids and alkaline solutions and reducing agents!

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10.6. Hazardous decomposition products

CUMENE HYDROPEROXIDE

Phenol, acetone.

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

Information not available

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: > 20 mg/l LD50 (Oral) of the mixture: Not classified (no significant component) LD50 (Dermal) of the mixture: Not classified (no significant component)

CUMENE HYDROPEROXIDE

LD50 (Oral) 382 mg/kg Rat

LD50 (Dermal) 0,126 mg/kg Rabbit

2-HYDROXYETHYL METHACRYLATE

Method: Chemical Safety Assessment by the Pharmacology Division Staff, FDA, 1959 in Food, Drugs and Cosmetics

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Reliability: 2 Species: Rat (Wistar) Route of exposure: Oral Results: LD50 = 5564 mg / kg bw Method: Not indicated Reliability: 2 Species: Rabbit (male) Route of exposure: Dermal Results: LD50> 5000 mg / kg bw

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

2-HYDROXYETHYL METHACRYLATE

Method: Assessment of the safety of chemicals in food, drugs and cosmetics (1959) Reliability: 2 Species: Rabbit (New Zealand White) Route of exposure: Dermal Results: Not classified

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

2-HYDROXYETHYL METHACRYLATE

Method: Evaluation of the safety of chemicals in food, drugs and cosmetics by the staff of the pharmacology division, FDA acc. to empty Reliability: 2 Species: Rabbit (New Zealand White) Route of exposure: Ocular Results: Category 2B (slightly irritating to eyes)

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Skin sensitization 2-HYDROXYETHYL METHACRYLATE

Method: Not indicated Reliability: 2 Species: guinea pig (Pirbright: male) Route of exposure: Dermal Results: Not sensitizing

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

2-HYDROXYETHYL METHACRYLATE

Method: OECD 471 in vitro test Reliability: 1 Species: S. typhimurium, E. Coli Results: Negative with and without metabolic activation Method: OECD 474-test in vivo Reliability: 1

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Species: Rat (Sprague-Dawley; male) Route of exposure: Oral Results: Negative

CUMENE HYDROPEROXIDE

Method: Equivalent or similar to OECD 471 in vitro test Reliability: 2 Species: S. typhimurium Results: Positive Method: Standard NTP-Test protocol in vivo Reliability: 1 Species: Mouse (B6C3F1; male / female) Route of exposure: Dermal Results: Negative

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

2-HYDROXYETHYL METHACRYLATE

Method: Equivalent or similar to OECD 451 Reliability: 1 Species: Mouse (B6C3F1; male / female) Route of exposure: Inhalation Results: Negative

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

CUMENE HYDROPEROXIDE

Adverse effects on sexual function and fertility 2-HYDROXYETHYL METHACRYLATE

Method: OECD combined repeat reproduction toxicity and reproductive / developmental toxicity screening test (GL 422 precursor protocol) Reliability: 1 Species: Rat (Crj: CD (SD); male / female) Route of exposure: Oral Results: NOAEL (fertility)> = 1000 mg / kg bw / day

CUMENE HYDROPEROXIDE

Adverse effects on development of the offspring 2-HYDROXYETHYL METHACRYLATE

Method: OECD 422 Reliability: 1 Species: Rat (Crj: CD (SD)) Route of exposure: Oral Results: NOAEL (development)> = 1000 mg / kg bw / day

CUMENE HYDROPEROXIDE

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Method: OECD 414 Reliability: 1 Species: Rat (Wistar) Exposure route: oral Results: NOAEL (development) = 15 mg / kg bw / day

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

2-HYDROXYETHYL METHACRYLATE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

CUMENE HYDROPEROXIDE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

2-HYDROXYETHYL METHACRYLATE

Method: OECD 422 Reliability: 1 Species: Rat (Crj: CD (SD); male / female) Route of exposure: Oral Results: NOAEL = 100 mg / kg bw / day Method: OECD 413 Reliability: 1 Species: Rat (Sprague-Dawley; male / female) Route of exposure: Inhalation Results: NOAEC = 100 ppm

CUMENE HYDROPEROXIDE

Method: Not indicated Reliability: 2 Species: Rat (Wistar; male) Route of exposure: Oral Results: Not classified Bibliographic reference: Toxicity studies of certain organic peroxides and hydroperoxides, Floyd EP, Stokinger HE, (1958) Method: Not indicated Reliability: 1 Species: Rat (CDF; male / female) Route of exposure: Inhalation (aerosol) Results: NOAEC = 31 mg / m3 air

Target organ CUMENE HYDROPEROXIDE

Lung

Route of exposure CUMENE HYDROPEROXIDE

Inhalation

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ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity

| CUMENE HYDROPEROXIDE | |
|---|----------------|
| LC50 - for Fish | 3,9 mg/l/96h |
| EC50 - for Crustacea | 18,84 mg/l/48h |
| EC50 - for Algae / Aquatic Plants | 3,1 mg/l/72h |
| Chronic NOEC for Algae / Aquatic Plants | 1 mg/l |
| | |
| | |

2-HYDROXYETHYL METHACRYLATE

| LC50 - for Fish | 100 mg/l/96h |
|---|---------------|
| EC50 - for Crustacea | 380 mg/l/48h |
| EC50 - for Algae / Aquatic Plants | 836 mg/l/72h |
| EC10 for Crustacea | 24,1 mg/l/28d |
| Chronic NOEC for Crustacea | 24,1 mg/l |
| Chronic NOEC for Algae / Aquatic Plants | 400 mg/l |

12.2. Persistence and degradability

2-HYDROXYETHYL METHACRYLATE Easily degradable in water, 84% in 28 days. **12.3. Bioaccumulative potential**

Information not available

12.4. Mobility in soil

Information not available

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

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13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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.

2-HYDROXYETHYL METHACRYLATE

Dispose of waste and residues in accordance with the requirements of local authorities.

Disposal methods:

Waste is dangerous. It must be disposed of in accordance with the regulations after consulting the competent local authorities and the disposal company in a suitable and authorized facility. Strictly controlled conditions during the disposal or treatment of air, waste water and waste. Do not add waste water to a biological waste water treatment plant. Bring waste water containing AOX for professional disposal. The key number for the waste must be determined according to the European waste type list (decision on the EU waste type list 2000/532 / EC) in collaboration with the disposal company / producer / authority Official.

CUMENE HYDROPEROXIDE

Dispose of in an appropriate incineration plant observing local regulations (s. EWC, European catalog of waste materials), if a new treatment is not possible (after adequate dilution and in small portions).

SECTION 14. Transport information

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

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14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product Point

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

3

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

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15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

| Org. Perox E | Organic peroxide, category E |
|-------------------|--|
| Acute Tox. 3 | Acute toxicity, category 3 |
| Acute Tox. 4 | Acute toxicity, category 4 |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, category 2 |
| Skin Corr. 1B | Skin corrosion, category 1B |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Sens. 1 | Skin sensitization, category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| H242 | Heating may cause a fire. |
| H331 | Toxic if inhaled. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H314 | Causes severe skin burns and eye damage. |
| H319 | Causes serious eye irritation. |
| H317 | May cause an allergic skin reaction. |
| H411 | Toxic to aquatic life with long lasting effects. |
| | |

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

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VOC: Volatile organic Compounds

- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament 7.
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP) 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website

Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

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.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12. The data for evaluation of chemical-physical properties are reported in section 9.

Changes to previous review:

The following sections were modified: 01 / 02 / 03 / 05 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 15 / 16.