

SINIT INTERMAR S.R.L.

P.A. 103 COMP. A

Revision nr. 3

Dated 01/10/2018

Printed on 01/10/2018

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Safety Data Sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name

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

Intended use: not available

1.3. Details of the supplier of the safety data sheet

Full address
District and Country

SINIT INTERMAR S.r.I. Via V. Chiarugi, 76/t 45100 Rovigo (Italy) tel. ++39 0425 361961 fax ++39 0425 410115

e-mail address of the competent person responsible for the Safety Data Sheet Product distribution by: info@sinitworks.com Cesare Giovannoni

1.4. Emergency telephone number

For urgent inquiries refer to

+39 0425 361961

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Specific target organ toxicity - repeated exposure, category 2 H373 May cause damage to organs through prolonged or repeated exposure.

Eye irritation, category 2 H319 Causes serious eye irritation.
Skin irritation, category 2 H315 Causes skin irritation.

Skin sensitization, category 1 H317 May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, H411 Toxic to aquatic life with long lasting effects.

category 2

2.2. Label elements

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

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Hazard pictograms:







Signal words:

Hazard statements:

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

H319 Causes serious eye irritation. H315 Causes skin irritation.

May cause an allergic skin reaction. H317

Warning

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

Avoid release to the environment. P273

P280 Wear protective gloves / eye protection / face protection.

P391 Collect spillage.

Contains: QUARZO INE

1,6-ESANDIOL GLICIDIL ETERE

Resine epossidiche (peso molecolare medio <= 700)

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%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification Classification 1272/2008 (CLP) x = Conc. %

QUARZO ALFA

CAS 14808-60-7 $30 \le x < 45$

EC 238-878-4

INDEX -

Resine epossidiche (peso molecolare medio <= 700)

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 CAS 25068-38-6 $25 \le x < 30$

H411

EC 500-033-5

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INDEX 603-074-00-8

Reg. no. 01-2119456619-26-xxxx

TALC

CAS 14807-96-6 9 ≤ x < 14 Acute Tox. 4 H332, STOT SE 3 H335

EC 238-877-9

INDEX -

1,6-ESANDIOL GLICIDIL ETERE

CAS 16096-31-4 10 ≤ x < 15 Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2

H411

EC 240-260-4

INDEX -

QUARZO INE

CAS 14808-60-7 5 ≤ x < 6 STOT RE 1 H372

EC 238-878-4

INDEX -

TITANIUM DIOXIDE

CAS 13463-67-7 1 ≤ x < 2 Substance with a community workplace exposure limit.

EC 236-675-5

INDEX -

Reg. no. 01-2119489379-17-xxxx

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

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. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless 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

1,6-ESANDIOL GLICIDIL ETERE 1,6-ESANODIOLGLICIDILETERE Do not use water jet abundant

5.1. Extinguishing media

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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.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. 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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)



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Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP

España INSHT - Límites de exposición profesional para agentes químicos en España 2017

GBR

United Kingdom EH40/2005 Workplace exposure limits

SVN

Slovenija Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o

varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu 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. ACGIH 2017 OEL EU EU

TLV-ACGIH

| a | 11 | Λ | D | 7 | n | Λ | F | ۸ |
|---|----|---|---|---|---|---|---|---|
| | | | | | | | | |

| Threshold Limit Value | ue | | | | | |
|-----------------------|---------|--------|--------|-------|-----|--|
| Туре | Country | TWA/8h | TWA/8h | | | |
| | | mg/m3 | ppm | mg/m3 | ppm | |
| TLV-ACGIH | | 0,025 | | | | |

| Predicted no-effect concentration - PNEC | | | |
|---|--------|-------|--|
| Normal value in fresh water | 0,006 | mg/l | |
| Normal value in marine water | 0,0006 | mg/l | |
| Normal value for fresh water sediment | 0,996 | mg/kg | |
| Normal value for marine water sediment | 0,0996 | mg/kg | |
| Normal value for water, intermittent release | 0,018 | mg/l | |
| Normal value of STP microorganisms | 10 | mg/l | |
| Normal value for the food chain (secondary poisoning) | 11 | mg/l | |
| Normal value for the terrestrial compartment | 0.196 | ma/ka | |

Health - Derived no-effect level - DNEL / DMEL

| | Effects on | | | | Effects on | | |
|-------------------|-------------|----------------|---------------|------------------|---------------|--------------|--------------|
| | consumers | | | | workers | | |
| Route of exposure | Acute local | Acute systemic | | Chronic | Chronic local | | Chronic |
| | | | | systemic | | | systemic |
| Oral | | | 0.75 mg/kg/d | 0.75 mg/kg/d | | | _ |
| Inhalation | | | | 12.25 mg/m3 | | | |
| Skin | | | 3.571 mg/kg/d | 3.571 mg/kg/d | | 8.33 mg/kg/d | 8.33 mg/kg/d |

TALC

| Type | Country | TWA/8h | | STEL/15min | |
|------|---------|--------|-----|------------|-----|
| | | mg/m3 | ppm | mg/m3 | ppm |
| VLA | ESP | 2 | | | |

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| WEL | GBR | 1 | |
|-----------|-----|---|------|
| MV | SVN | 2 | RESP |
| TLV-ACGIH | | 2 | |

| 1,6-ESANDIOL GLICIDIL ETERE | | | |
|--|--------|-------------|--|
| Predicted no-effect concentration - PNEC | | | |
| Normal value in fresh water | 0,0115 | mg/l | |
| Normal value in marine water | 115 | mg/l | |
| Normal value for fresh water sediment | 283 | mg/kg | |
| Normal value for marine water sediment | 283 | mg/kg | |
| Normal value of STP microorganisms | 1 | mg/l | |
| Health - Derived no-effect level - DNEL / DMEL Effects on | | Effects on | |
| Lifects off | | _116013 011 | |

| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | | |
|--|-------------|----------------|----------|---------------|-----------|--|--|--|--|
| | Effects on | | | Effects on | | | | | |
| | consumers | | | workers | | | | | |
| Route of exposure | Acute local | Acute systemic | Chronic | Chronic local | Chronic | | | | |
| | | | systemic | | systemic | | | | |
| Inhalation | | | | | 4.9 mg/m3 | | | | |
| Skin | | | | | 2.8 mg/kg | | | | |

| QUARZO INE Threshold Limit Value | | | | | |
|-------------------------------------|---------|--------|-----|------------|-------|
| Туре | Country | TWA/8h | | STEL/15min | |
| | | mg/m3 | ppm | mg/m3 | ppm |
| TLV-ACGIH | | 0,025 | | | INHAL |

| TITANIUM DIOXIDE | | | | | | | |
|--|-------------|--------|-----|------------|-----|----------|--|
| Threshold Limit Value | | | | | | | |
| Туре | Country | TWA/8h | | STEL/15min | | | |
| | | mg/m3 | ppm | mg/m3 | ppm | | |
| OEL | EU | 10 | | | | | |
| TLV-ACGIH | | 10 | 0 | 0 | 0 | | |
| Predicted no-effect concentration - PNEC | | | | | | | |
| Normal value in fresh water | | | | 0,127 | | mg\parl | |
| Normal value in marine water | | | | 1 | | mg\parl | |
| Normal value for fresh water se | ediment | | | 1000 | | mg\parkg | |
| Normal value for marine water | sediment | | | 100 | | mg\parkg | |
| Normal value of STP microorga | anisms | | | 100 | | mg\parl | |
| Normal value for the terrestrial | compartment | | | 100 | | mg\parkg | |
| | | | | | | | |

| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | | | |
|--|-------------|----------------|----------|---------------|-----|-------------|--|--|--|--|
| | Effects on | | | Effects on | | | | | | |
| | consumers | | | workers | | | | | | |
| Route of exposure | Acute local | Acute systemic | Chronic | Chronic local | | Chronic | | | | |
| | | | systemic | | | systemic | | | | |
| Inhalation | • | | | | VND | 10 mg\parm3 | | | | |

Legend:

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

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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.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

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 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.

ENVIRONMENTAL EXPOSURE CONTROLS

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

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

$\bf 9.1.$ Information on basic physical and chemical properties

Appearance Colour arev Odour characteristic Odour threshold Not available Melting point / freezing point Not available Initial boiling point Not available Boiling range Not available > 60 °C Flash point Not available **Evaporation Rate** Flammability of solids and gases Not available Lower inflammability limit Not available Upper inflammability limit Not available

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Lower explosive limit Not available Upper explosive limit Not available Vapour pressure Not available Vapour density Not available Relative density Not available Solubility insoluble Partition coefficient: n-octanol/water Not available Auto-ignition temperature Not available Decomposition temperature Not available Viscosity Not available Explosive properties Not available Not available Oxidising properties

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

1,6-ESANDIOL GLICIDIL ETERE

1,6-ESANODIOLGLICIDILETERE

Avoid static electricity discharges.

Materials to avoid: Strong acids and strong bases. Strong oxidizing agents.

Hazardous decomposition products: Oxides of carbon. The combustion because of obnoxious and toxic fumes.

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.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

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.

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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:
> 5 mg/l
LD50 (Oral) of the mixture:
Not classified (no significant component)
LD50 (Dermal) of the mixture:
Not classified (no significant component)

1,6-ESANDIOL GLICIDIL ETERE

LD50 (Oral) 8,5 mg/kg Rat

LD50 (Dermal) 4,9 mg/gk Rabbit

Resine epossidiche (peso molecolare medio <= 700)

LD50 (Oral) > 2000 mg/kg Ratto

LD50 (Dermal) 2000 mg/kg Ratto

TITANIUM DIOXIDE

LD50 (Oral) > 5000 mg/kg rat

LD50 (Dermal) > 10000 mg\parkg rabbit

LC50 (Inhalation) > 6,82 mg/l/4h rat

BENTONE SD2

LD50 (Oral) > 5000 mg/kg Rat

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SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

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

May cause damage to organs

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment. Resine epossidiche (peso molecolare medio <= 700)

EPOXY

Avoid subsoil penetration.

Prevent product from entering drains.

Do not contaminate surface water.

12.1. Toxicity

1,6-ESANDIOL GLICIDIL ETERE

LC50 - for Fish

EC50 - for Crustacea

30 mg/l/96h Trota iridea 42 mg/l/48h Daphnia magna

Resine epossidiche (peso molecolare medio

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<= 700)

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

Chronic NOEC for Crustacea

TITANIUM DIOXIDE

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

BENTONE SD2

LC50 - for Fish

1,5 mg/l/96h Oncorhynchus mykiss

2,7 mg/l/48h Daphnia magna

9,4 mg/l/72h Selenastrum capricornutum

0,3 mg/l Daphnia magna

> 1000 mg/l/96h Pimephales promelas

> 100 mg/l/48h daphnia magna

> 230 mg/l/96h Daphnia magna

5600 mg/l/72h Pseudokirchneriella subcapitata

12.2. Persistence and degradability

TALC

Solubility in water

< 0,1 mg/l

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

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.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

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SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG,

3082

IATA:

ADR / RID: In accordance

with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to ADR

provisions.

IMDG: In accordance

with Section
2.10.2.7 of IMDG
Code, this
product, when is
packed in
receptacles of a
capacity ≤ 5Kg or
5L, is not
submitted to
IMDG Code

provisions.
IATA: In accordance

with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Resine epossidiche (peso molecolare medio ≤

700); 1,6-ESANDIOL GLICIDIL ETERE)

IMDG: ENVIRONMENTALLY HAZARDOUS SÚBSTANCE, LIQUID, N.O.S. (Resine epossidiche (peso molecolare medio ≤

700); 1,6-ESANDIOL GLICIDIL ETERE)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Resine epossidiche (peso molecolare medio ≤

700); 1,6-ESANDIOL GLICIDIL ETERE)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, III

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IATA:

14.5. Environmental hazards

ADR / RID: Environmentally

Hazardous

IMDG: Marine Pollutant

IATA: Environmentally

Hazardous



14.6. Special precautions for user

ADR / RID: HIN - Kemler: 90 Limited Tunnel Quantities: 5 restriction

Special Provision: -

IMDG: EMS: F-A, S-F Limited

Quantities: 5

Special Instructions:

IATA: Cargo:

Pass.:

Maximum Packaging quantity: 450 instructions:

code: (-)

964 Packaging

instructions: 964

Maximum

quantity: 450

A97, A158,

A197

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: E2

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

Product

3 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 authorisarion (Annex XIV REACH)

None

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

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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.

SECTION 16. Other information

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

Acute Tox. 4 Acute toxicity, category 4

STOT RE 1 Specific target organ toxicity - repeated exposure, category 1
STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Eye Irrit. 2 Eye irritation, category 2
Skin Irrit. 2 Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Skin Sens. 1 Skin sensitization, category 1

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

H332 Harmful if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.
 H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H335 May cause respiratory 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

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Printed on 01/10/2018

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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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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 / 08 / 09 / 10 / 11 / 12 / 14 / 15 / 16.