

# Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

### 1.1. Product identifier

Code: **T3.SLIPPY MARMO**  
Product name: **T3.SLIPPY MARMO**  
UFI: **NF60-W09V-700R-8MDC**

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

Intended use: **Anti-slip for polished marble surfaces**

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

Name: **ITALIAN XS SRL**  
Full address: **Via Del Mulino 25 - Zona Artigianale**  
District and Country: **64039 Penna Sant'Andrea (Teramo) Italia**  
Tel.: **+390861650578**  
Fax: **+3908611755862**  
e-mail address of the competent person responsible for the Safety Data Sheet: **office@italianxs.com**

### 1.4. Emergency telephone number

For urgent inquiries refer to: **Centro Antiveleni 24/24 h  
Policlinico A. Gemelli (Roma)  
Tel. +39 06.3054343**

## 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 2020/878.

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:

|                              |      |                                     |
|------------------------------|------|-------------------------------------|
| Flammable liquid, category 2 | H225 | Highly flammable liquid and vapour. |
| Eye irritation, category 2   | H319 | Causes serious eye irritation.      |
| Skin irritation, category 2  | H315 | Causes skin irritation.             |

### 2.2. Label elements

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

Hazard pictograms:



Signal words: **Danger**

Hazard statements:  
**H225** Highly flammable liquid and vapour.

### SECTION 2. Hazards identification ... / >>

**H319** Causes serious eye irritation.  
**H315** Causes skin irritation.

Precautionary statements:

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P280** Wear protective gloves/ protective clothing / eye protection / face protection.  
**P370+P378** In case of fire: use . . . to extinguish.  
**P233** Keep container tightly closed.  
**P337+P313** If eye irritation persists: Get medical advice / attention.  
**P264** Wash . . . thoroughly after handling.

#### 2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

### SECTION 3. Composition/information on ingredients

#### 3.2. Mixtures

Contains:

| Identification                   | x = Conc. %        | Classification (EC) 1272/2008 (CLP)  |
|----------------------------------|--------------------|--|
| <b>2-(2-BUTOXYETHOXY)ETHANOL</b> |                    |  |
| INDEX 603-096-00-8               | 45 $\leq$ x < 47,5 | Eye Irrit. 2 H319  |
| EC 203-961-6                     |                    |  |
| CAS 112-34-5                     |                    |  |
| <b>PHOSPHORIC ACID</b>           |                    |  |
| INDEX 015-011-00-6               | 15 $\leq$ x < 16,5 | Skin Corr. 1B H314, Eye Dam. 1 H318, Classification note according to Annex VI to the CLP Regulation: B  |
| EC 231-633-2                     |                    | Skin Corr. 1B H314: $\geq$ 25%, Skin Irrit. 2 H315: $\geq$ 10%, Eye Dam. 1 H318: $\geq$ 25%, Eye Irrit. 2 H319: $\geq$ 10%                             |
| CAS 7664-38-2                    |                    |  |
| <b>PROPAN-2-OL</b>               |                    |  |
| INDEX 603-117-00-0               | 15 $\leq$ x < 16,5 | Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336   |
| EC 200-661-7                     |                    |  |
| CAS 67-63-0                      |                    |  |
| <b>ACIDO CLORIDRICO</b>          |                    |  |
| INDEX 017-002-01-X               | 2 $\leq$ x < 2,5   | Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Classification note according to Annex VI to the CLP Regulation: B             |
| EC 231-595-7                     |                    | Skin Corr. 1B H314: $\geq$ 25%, Skin Irrit. 2 H315: $\geq$ 10%, Eye Dam. 1 H318: $\geq$ 25%, Eye Irrit. 2 H319: $\geq$ 10%, STOT SE 3 H335: $\geq$ 10% |
| CAS 7647-01-0                    |                    |  |

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 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.

**SECTION 4. First aid measures ... / >>****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.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

**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. 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.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. 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. 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.

### SECTION 7. Handling and storage ... / >>

#### 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.

Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.

#### 7.3. Specific end use(s)

Information not available

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Regulatory references:

|     |                |  |
|-----|----------------|--|
| DEU | Deutschland    | Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58  |
| ESP | España         | Límites de exposición profesional para agentes químicos en España 2023   |
| FRA | France         | Valeurs limites d'exposition professionnelle aux agents chimiques en France Décret n° 2021-1849 du 28 décembre 2021  |
| ITA | Italia         | Decreto Legislativo 9 Aprile 2008, n.81  |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020)  |
| EU  | OEL EU         | Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; 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 98/24/EC; Directive 91/322/EEC. |
|     | TLV-ACGIH      | ACGIH 2023   |

#### 2-(2-BUTOXYETHOXY)ETHANOL

##### Threshold Limit Value

| Type      | Country | TWA/8h |     | STEL/15min |     | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
|           |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| MAK       | DEU     | 67     | 10  | 100,5      | 15  |                        |
| VLA       | ESP     | 67,5   | 10  | 101,2      | 15  |                        |
| VLEP      | ITA     | 67,5   | 10  | 101,2      | 15  |                        |
| OEL       | EU      | 67,5   | 10  | 101,2      | 15  |                        |
| TLV-ACGIH |         | 66     | 10  |            |     |                        |

#### PROPAN-2-OL

##### Threshold Limit Value

| Type      | Country | TWA/8h |     | STEL/15min |     | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
|           |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| AGW       | DEU     | 500    | 200 | 1000       | 400 |                        |
| MAK       | DEU     | 500    | 200 | 1000       | 400 |                        |
| VLA       | ESP     | 500    | 200 | 1000       | 400 |                        |
| VLEP      | FRA     |        |     | 980        | 400 |                        |
| WEL       | GBR     | 999    | 400 | 1250       | 500 |                        |
| TLV-ACGIH |         | 492    | 200 | 983        | 400 |                        |

#### ACIDO CLORIDRICO

##### Threshold Limit Value

| Type      | Country | TWA/8h |     | STEL/15min |       | Remarks / Observations |
|-----------|---------|--------|-----|------------|-------|------------------------|
|           |         | mg/m3  | ppm | mg/m3      | ppm   |                        |
| VLA       | ESP     | 7,6    | 5   | 15         | 10    |                        |
| VLEP      | ITA     | 8      | 5   | 15         | 10    |                        |
| OEL       | EU      | 8      | 5   | 15         | 10    |                        |
| TLV-ACGIH |         |        |     | 2,9 (C)    | 2 (C) |                        |

### SECTION 8. Exposure controls/personal protection ... / >>

#### PHOSPHORIC ACID

##### Threshold Limit Value

| Type      | Country | TWA/8h            |     | STEL/15min        |     | Remarks / Observations |
|-----------|---------|-------------------|-----|-------------------|-----|------------------------|
|           |         | mg/m <sup>3</sup> | ppm | mg/m <sup>3</sup> | ppm |                        |
| AGW       | DEU     | 2                 |     | 4                 |     | INHAL                  |
| MAK       | DEU     | 2                 |     | 4                 |     | INHAL                  |
| VLA       | ESP     | 1                 |     | 2                 |     |                        |
| VLEP      | FRA     | 1                 | 0,2 | 2                 | 0,5 |                        |
| VLEP      | ITA     | 1                 |     | 2                 |     |                        |
| WEL       | GBR     | 1                 |     | 2                 |     |                        |
| OEL       | EU      | 1                 |     | 2                 |     |                        |
| TLV-ACGIH |         | 1                 |     | 3                 |     |                        |

Legend:

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

#### 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.

The following should be considered when choosing work glove material (see standard EN 374): 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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

##### EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

##### RESPIRATORY PROTECTION

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. Use a mask with a type AX filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

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.

### SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

| Properties                             | Value          | Information |
|--|----------------|-------------|
| Appearance                             | liquid         |             |
| Colour                                 | colourless     |             |
| Odour                                  | characteristic |             |
| Melting point / freezing point         | not available  |             |
| Initial boiling point                  | > 35 °C        |             |
| Flammability                           | not available  |             |
| Lower explosive limit                  | not available  |             |
| Upper explosive limit                  | not available  |             |
| Flash point                            | < 23 °C        |             |
| Auto-ignition temperature              | not available  |             |
| Decomposition temperature              | not available  |             |
| pH                                     | not available  |             |
| Kinematic viscosity                    | not available  |             |
| Solubility                             | not available  |             |
| Partition coefficient: n-octanol/water | not available  |             |

**SECTION 9. Physical and chemical properties ... / >>**

|                                 |                |
|---------------------------------|----------------|
| Vapour pressure                 | not available  |
| Density and/or relative density | 1,11           |
| Relative vapour density         | not available  |
| Particle characteristics        | not applicable |

**9.2. Other information**

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

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.

PHOSPHORIC ACID

Decomposes at temperatures above 200°C/392°F.

**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-(2-BUTOXYETHOXY)ETHANOL

May react with: oxidising substances.May form peroxides with: oxygen.Develops hydrogen on contact with: aluminium.May form explosive mixtures with: air.

ACIDO CLORIDRICO

Risk of explosion on contact with: alkaline metals,aluminium powder,hydrogen cyanide,alcohol.

PHOSPHORIC ACID

Risk of explosion on contact with: nitromethane.May react dangerously with: alkalis,sodium borohydride.

**10.4. Conditions to avoid**

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

2-(2-BUTOXYETHOXY)ETHANOL

Avoid exposure to: air.

**10.5. Incompatible materials**

2-(2-BUTOXYETHOXY)ETHANOL

Incompatible with: oxidising substances,strong acids,alkaline metals.

ACIDO CLORIDRICO

Incompatible with: alkalis,organic substances,strong oxidants,metals.

PHOSPHORIC ACID

Incompatible with: metals,strong alkalis,aldehydes,organic sulphides,peroxides.

**10.6. Hazardous decomposition products**

2-(2-BUTOXYETHOXY)ETHANOL

May develop: hydrogen.

ACIDO CLORIDRICO

In decomposition develops: hydrochloric acid fumes.

PHOSPHORIC ACID

May develop: phosphoryl oxides.

**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.

### SECTION 11. Toxicological information ... / >>

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

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

2-(2-BUTOXYETHOXY)ETHANOL  
 WORKERS: inhalation; contact with the skin.

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

2-(2-BUTOXYETHOXY)ETHANOL  
 May be absorbed by inhalation, ingestion and skin contact; is irritating for the skin and especially for the eyes. May cause damage to the spleen. At room temperature the danger of inhalation is unlikely, due to the low vapour pressure of the substance.

##### Interactive effects

Information not available

##### ACUTE TOXICITY

|                                  |   |
|----------------------------------|---|
| ATE (Inhalation) of the mixture: | Not classified (no significant component) |
| ATE (Oral) of the mixture:       | Not classified (no significant component) |
| ATE (Dermal) of the mixture:     | Not classified (no significant component) |

|                           |                   |
|---------------------------|-------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL |                   |
| LD50 (Dermal):            | 2700 mg/kg Rabbit |
| LD50 (Oral):              | 3384 mg/kg Rat    |

|                            |                  |
|----------------------------|------------------|
| PROPAN-2-OL                |                  |
| LD50 (Dermal):             | 12800 mg/kg Rat  |
| LD50 (Oral):               | 4710 mg/kg Rat   |
| LC50 (Inhalation vapours): | 72,6 mg/l/4h Rat |

|                            |                    |
|----------------------------|--------------------|
| ACIDO CLORIDRICO           |                    |
| LD50 (Oral):               | 900 mg/kg coniglio |
| LC50 (Inhalation vapours): | 1,68 mg/l/1h ratto |

|                                  |                    |
|----------------------------------|--------------------|
| PHOSPHORIC ACID                  |                    |
| LD50 (Dermal):                   | 2740 mg/kg Rabbit  |
| LD50 (Oral):                     | 1530 mg/kg Rat     |
| LC50 (Inhalation mists/powders): | > 0,85 mg/l/1h Rat |

##### SKIN CORROSION / IRRITATION

Causes skin irritation

##### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

##### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

##### 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

**SECTION 11. Toxicological information ... / >>**

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

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

**11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**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**

|                                     |                                 |
|-------------------------------------|---------------------------------|
| ACIDO CLORIDRICO<br>LC50 - for Fish | 20 mg/l/96h lepomis macrochirus |
|-------------------------------------|---------------------------------|

**12.2. Persistence and degradability**

|  |                   |
|--|-------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL<br>Solubility in water<br>Rapidly degradable | 1000 - 10000 mg/l |
|--|-------------------|

PROPAN-2-OL  
Rapidly degradable

|   |              |
|---|--------------|
| ACIDO CLORIDRICO<br>Solubility in water<br>Degradability: information not available | > 10000 mg/l |
|---|--------------|

|  |               |
|--|---------------|
| PHOSPHORIC ACID<br>Solubility in water<br>Degradability: information not available | > 850000 mg/l |
|--|---------------|

**12.3. Bioaccumulative potential**

|   |      |
|---|------|
| 2-(2-BUTOXYETHOXY)ETHANOL<br>Partition coefficient: n-octanol/water | 1    |
| PROPAN-2-OL<br>Partition coefficient: n-octanol/water               | 0,05 |

**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  $\geq$  than 0,1%.

**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine



### SECTION 12. Ecological information ... / >>

disruptors with environmental effects under evaluation.

#### 12.7. 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.

### SECTION 14. Transport information

#### 14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 2924

#### 14.2. UN proper shipping name

ADR / RID: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (PROPAN-2-OL; PHOSPHORIC ACID)

IMDG: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (PROPAN-2-OL; PHOSPHORIC ACID)

IATA: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (PROPAN-2-OL; PHOSPHORIC ACID)

#### 14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3 (8)



IMDG: Class: 3 Label: 3 (8)



IATA: Class: 3 Label: 3 (8)



#### 14.4. Packing group

ADR / RID, IMDG, IATA: II

#### 14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

#### 14.6. Special precautions for user

ADR / RID: HIN - Kemler: 338  
 Special provision: 274

Limited Quantities: 1 L

Tunnel restriction code: (D/E)

IMDG: EMS: F-E, S-C

Limited Quantities: 1 L

Packaging instructions: 363

IATA: Cargo:

Maximum quantity: 5 L

Packaging instructions: 352

Passengers:

Maximum quantity: 1 L

Special provision:

A3

#### 14.7. Maritime transport in bulk according to IMO instruments

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/EU:

P5c

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

Product

Point 3 - 40

Contained substance

Point 75

Point 55 2-(2-BUTOXYETHOXY)ETHANOL

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors  
not applicable

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

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.

### 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:

|                      |  |
|----------------------|--|
| <b>Flam. Liq. 2</b>  | Flammable liquid, category 2                                 |
| <b>Met. Corr. 1</b>  | Substance or mixture corrosive to metals, category 1         |
| <b>Skin Corr. 1B</b> | Skin corrosion, category 1B                                  |
| <b>Eye Irrit. 2</b>  | Eye irritation, category 2                                   |
| <b>Skin Irrit. 2</b> | Skin irritation, category 2                                  |
| <b>STOT SE 3</b>     | Specific target organ toxicity - single exposure, category 3 |
| <b>H225</b>          | Highly flammable liquid and vapour.                          |
| <b>H290</b>          | May be corrosive to metals.                                  |
| <b>H314</b>          | Causes severe skin burns and eye damage.                     |
| <b>H319</b>          | Causes serious eye irritation.                               |
| <b>H315</b>          | Causes skin irritation.                                      |
| <b>H335</b>          | May cause respiratory irritation.                            |
| <b>H336</b>          | May cause drowsiness or dizziness.                           |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008

### SECTION 16. Other information ... / >>

- 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: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- 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) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) 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
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
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) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
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21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707

- 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

**SECTION 16. Other information ... / >>**

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.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

**Changes to previous review:**

The following sections were modified:

01 / 02 / 03 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 14 / 15 / 16.