# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## Top EFEKT SOP

| | | | |
|---|---|---|---|
| Creation date | 10th August 2000 | | |
| Revision date | 27th September 2021 | Version | 2.0 |

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier** — Top EFEKT SOP

Substance / mixture — mixture

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

**Mixture's intended use**

Product designed for cleaning water-proof floors, especially those from natural stone and artificial stone. Recommended for daily cleaning floors in hypermarkets and food processing establishments.

**Mixture uses advised against**

not available

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

**Manufacturer**

| | |
|---|---|
| Name or trade name | TENZI Sp. z o.o. |
| Address | Skarbimierzyce 20, Dołuje, 72-002<br>Poland |
| VAT Reg No | PL8512583405 |
| Phone | +48 91 3119777 |
| E-mail | info@tenzi.pl |
| Web address | www.tenzi.pl |

**Competent person responsible for the safety data sheet**

| | |
|---|---|
| Name | technolog@tenzi.pl |
| E-mail | technolog@tenzi.pl |

**1.4. Emergency telephone number**

European emergency number: 112

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**SECTION 2: Hazards identification**

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

**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Eye Irrit. 2, H319

Full text of all classifications and hazard statements is given in the section 16.

**Most serious adverse effects on human health and the environment**

Causes serious eye irritation.

**2.2. Label elements**

**Hazard pictogram**

**Signal word**

Warning

**Hazard statements**

| | |
|---|---|
| H319 | Causes serious eye irritation. |

**Precautionary statements**

| | |
|---|---|
| P102 | Keep out of reach of children. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501 | Dispose of container to properly labeled waste containers in accordance with national regulations. |

**Supplemental information**

<5 % phosphates, <5 % anionic surfactants, <5 % non-ionic surfactants, <5 % soap, perfumes, Citral, Hexyl cinnamal, Limonene

**2.3. Other hazards**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**Chemical characterization**

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|---|---|---|---|---|
| CAS: 160901-19-9<br>EC: 931-954-4<br>Registration number: polimer | Alcohols, C12-13, ethoxylated | <4 | Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412<br>Specific concentration limit:<br>Eye Dam. 1, H318: C > 10 %<br>Eye Irrit. 2, H319: 1 % < C ≤ 10 % | |
| Index: 603-096-00-8<br>CAS: 112-34-5<br>EC: 203-961-6<br>Registration number: 01-2119475104-44-XXXX | 2-(2-butoxyethoxy)ethanol | 2 | Eye Irrit. 2, H319 | 1, 2 |
| Index: 014-010-00-8<br>CAS: 10213-79-3<br>EC: 229-912-9<br>Registration number: 01-2119449811-37-XXXX | sodium metasilicate | <1 | Met. Corr. 1, H290<br>Skin Corr. 1B, H314<br>STOT SE 3, H335 | |

**Notes**

1 Substance with a Union workplace exposure limit.

2 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air.

**If on skin**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

**If swallowed**

DO NOT INDUCE VOMITING - even the inducted vomiting can cause complications as in case of detergents and other foaming substances.

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

**If inhaled**

Not expected.

**If on skin**

Not expected.

**If in eyes**

Causes serious eye irritation.

**If swallowed**

Irritation, nausea.

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

Symptomatic treatment.

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

**Unsuitable extinguishing media**

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

**5.3. Advice for firefighters**

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

## SECTION 6: Accidental release measures

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

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

**6.2. Environmental precautions**

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

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

Store in a tightly closed, original plastic container (high density polyethylene HDPE). Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor. DO NOT expose the product to sunlight and keep away from heat, frost, sparks, flame and source of ignition.

| | |
|---|---|
| Storage temperature | min 5 °C, max 35 °C |

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

not available

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

The mixture contains substances for which occupational exposure limits are set.

**European Union** **Commission Directive 2006/15/EC**

| Substance name (component) | Type | Value |
|---|---|---|
| 2-(2-butoxyethoxy)ethanol (CAS: 112-34-5) | OEL 8 hours | 67,5 mg/m³ |
| | OEL 8 hours | 10 ppm |
| | OEL 15 minutes | 101,2 mg/m³ |
| | OEL 15 minutes | 15 ppm |

**DNEL**

2-(2-butoxyethoxy)ethanol

| Workers / consumers | Route of exposure | Value | Effect | Determining method | Source |
|---|---|---|---|---|---|
| Workers | Dermal | 20 mg/kg | Systemic chronic effects | | SDS |
| Workers | Inhalation | 67.5 mg/l | Systemic chronic effects | | SDS |
| Workers | Inhalation | 67.5 mg/l | Local chronic effects | | SDS |
| Consumers | Inhalation | 50.6 mg/l | Local acute effects | | SDS |
| Consumers | Dermal | 10 mg/kg | Systemic chronic effects | | SDS |
| Consumers | Inhalation | 3 mg/l | Systemic chronic effects | | SDS |
| Consumers | Oral | 1.25 mg/kg | Systemic chronic effects | | SDS |
| Consumers | Inhalation | 34 mg/l | Local chronic effects | | SDS |

sodium metasilicate

| Workers / consumers | Route of exposure | Value | Effect | Determining method | Source |
|---|---|---|---|---|---|
| Workers | Inhalation | 6.22 mg/m³ | Systemic chronic effects | | |
| Consumers | Inhalation | 1.55 mg/m³ | Systemic chronic effects | | |
| Consumers | Oral | 0.74 mg/kg/24hour | Systemic chronic effects | | |
| Workers | Dermal | 1.49 mg/kg/24hour | Systemic chronic effects | | |
| Consumers | Dermal | 0.74 mg/kg/24hour | Systemic chronic effects | | |

**PNEC**

2-(2-butoxyethoxy)ethanol

| Route of exposure | Value | Determining method |
|---|---|---|
| Drinking water | 1 mg/l | |
| Seawater | 0.1 mg/l | |
| Freshwater sediment | 4 mg/kg | |
| Sea sediments | 0.4 mg/kg | |
| Soil (agricultural) | 0.4 mg/kg | |
| Microorganisms in wastewater treatment plants | 200 mg/l | |
| Oral | 56 mg/kg | |

sodium metasilicate

| Route of exposure | Value | Determining method |
|---|---|---|
| Drinking water | 7.5 mg/l | |

sodium metasilicate

| Route of exposure | Value | Determining method |
|---|---|---|
| Seawater | 1 mg/l | |
| Water (intermittent release) | 7.5 mg/l | |
| Microorganisms in wastewater treatment plants | 1000 mg/l | |

**8.2. Exposure controls**

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

**Eye/face protection**

Protective goggles.

**Skin protection**

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

**Respiratory protection**

It is not needed.

**Thermal hazard**

Data not available.

**Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state | liquid |
| Colour | orange |
| Odour | characteristic of the composition used for |
| Melting point/freezing point | data not available |
| Boiling point or initial boiling point and boiling range | data not available |
| Flammability | data not available |
| Lower and upper explosion limit | data not available |
| Flash point | data not available |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| pH | 12,5 (undiluted at 20 °C) |
| Kinematic viscosity | data not available |
| Solubility in water | soluble |
| Partition coefficient n-octanol/water (log value) | data not available |
| Vapour pressure | data not available |
| Density and/or relative density | |
| Density | data not available |
| Relative density | 1,057 g/cm3 (+-) 0,020 |
| Form | orange liquid |

**9.2. Other information**

not available

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

not available

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Unknown.

**10.4. Conditions to avoid**

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

**10.5. Incompatible materials**

Protect against strong acids, bases and oxidizing agents.

**10.6. Hazardous decomposition products**

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

**Acute toxicity**

Based on available data the classification criteria are not met.

2-(2-butoxyethoxy)ethanol

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex | Source |
|---|---|---|---|---|---|---|
| Oral | $LD_{50}$ | 2410 mg/kg | | Mouse | | SDS |
| Dermal | $LD_{50}$ | 2764 mg/kg | | Rabbit | | SDS |

Alcohols, C12-13, ethoxylated

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex | Source |
|---|---|---|---|---|---|---|
| Oral | $LD_{50}$ | >300-2000 mg/kg | | Rat (Rattus norvegicus) | | karta charaktery styki |
| Skin | $LD_{50}$ | >2000 mg/kg | | Rabbit | F/M | karta charaktery styki |

sodium metasilicate

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex | Source |
|---|---|---|---|---|---|---|
| Oral | $LD_{50}$ | 1152-1349 mg/kg | | Rat | | |
| Inhalation (vapor) | $LC_{50}$ | >2.06 mg/m³ | | Rat | | |
| Skin | $LD_{50}$ | >5000 mg/kg | | Rat | | |

**Skin corrosion/irritation**

Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated

| Route of exposure | Result | Time of exposure | Species | Source |
|---|---|---|---|---|
| Skin | Not irritating | | Rabbit | karta charakterystyki |

sodium metasilicate

| Route of exposure | Result | Time of exposure | Species | Source |
|---|---|---|---|---|
| | Corrosive | | | |

**Serious eye damage/irritation**
Causes serious eye irritation.

Alcohols, C12-13, ethoxylated

| Route of exposure | Result | Time of exposure | Species | Source |
|---|---|---|---|---|
| Eye | Serious eye damage | | Rabbit | karta charakterystyki |

sodium metasilicate

| Route of exposure | Result | Time of exposure | Species | Source |
|---|---|---|---|---|
| | Serious eye damage | | | |

**Respiratory or skin sensitisation**
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated

| Route of exposure | Result | Time of exposure | Species | Sex | Source |
|---|---|---|---|---|---|
| Skin | No effect | | Guinea-pig (Cavia aperea f. porcellus) | F/M | karta charakterystyki |

sodium metasilicate

| Route of exposure | Result | Time of exposure | Species | Sex | Source |
|---|---|---|---|---|---|
| | Not sensitizing | | | | |

**Germ cell mutagenicity**
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated

| Result | Method | Time of exposure | Specific target organ | Species | Sex | Source |
|---|---|---|---|---|---|---|
| No effect | in vivo | | | | F/M | karta charakterystyki |

**Carcinogenicity**
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated

| Route of exposure | Parameter | Value | Result | Species | Sex | Source |
|---|---|---|---|---|---|---|
| | | | Not carcinogenic | | F/M | karta charakterystyki |

**Reproductive toxicity**
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated

| Effect | Parameter | Method | Value | Result | Species | Sex | Source |
|---|---|---|---|---|---|---|---|
| | | in vitro | | No effect | | F/M | karta charakterystyki |

Alcohols, C12-13, ethoxylated

| Effect | Parameter | Method | Value | Result | Species | Sex | Source |
|---|---|---|---|---|---|---|---|
| Effects on fertility | | | | No effect | | F/M | karta charaktery styki |

**Toxicity for specific target organ - single exposure**
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated

| Route of exposure | Parameter | Value | Result | Species | Sex | Source |
|---|---|---|---|---|---|---|
| | | | No effect | | | karta charakteryst yki |

sodium metasilicate

| Route of exposure | Parameter | Value | Result | Species | Sex | Source |
|---|---|---|---|---|---|---|
| | | | Irritating | | | |

**Toxicity for specific target organ - repeated exposure**
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated

| Route of exposure | Parameter | Value | Time of exposure | Specific target organ | Result | Species | Sex | Source |
|---|---|---|---|---|---|---|---|---|
| Oral | NOAEL | 50 mg/kg | 2 year | Heart | Reduced body weight | Rat (Rattus norvegicus) | F/M | karta charakter ystyki |

**Aspiration hazard**
Based on available data the classification criteria are not met.

**11.2. Information on other hazards**
not available

## SECTION 12: Ecological information

**12.1. Toxicity**

**Acute toxicity**
Data for the mixture are not available.

2-(2-butoxyethoxy)ethanol

| Parameter | Method | Value | Time of exposure | Species | Environment | Determining method | Source |
|---|---|---|---|---|---|---|---|
| $LC_{50}$ | | 1300 mg/l | | Fishes (Lepomis macrochirus) | | | SDS |
| $EC_{50}$ | | >100 mg/l | | Aquatic invertebrates (Daphnia magna) | | | SDS |
| $EC_{50}$ | OECD 201 | >100 mg/l | | Algae (Scenedesmus subspicatus) | | | SDS |
| EC 10 | OECD 209 | >1995 mg/l | | | | | SDS |

Alcohols, C12-13, ethoxylated

| Parameter | Method | Value | Time of exposure | Species | Environment | Determining method | Source |
|---|---|---|---|---|---|---|---|
| $LC_{50}$ | OECD 203 | >1-10 mg/l | 96 hour | Fishes (Poecilia reticulata) | | Literary studies | karta charakterystyki |
| $EC_{50}$ | OECD 202 | >1-10 mg/l | 48 hour | Daphnia (Daphnia magna) | | Literary studies | karta charakterystyki |
| $EC_{50}$ | OECD 201 | >1-10 mg/l | 72 hour | Algae (Selenastrum capricornutum) | | Literary studies, Observation method, Indicator of growth | karta charakterystyki |
| NOEC | OECD 201 | >1-10 mg/l | 72 hour | Algae (Selenastrum capricornutum) | | Literary studies, Indicator of growth | karta charakterystyki |
| $EC_{50}$ | | 140 mg/l | | Bacteria (Salmonella typhimurium) | Activated sludge | Literary studies | karta charakterystyki |
| NOEC | OECD 208 | 220 mg/l | | | | Literary studies, Reproduction | karta charakterystyki |
| NOEC | OECD 208 | 10 mg/kg | | Higher plants | | Literary studies, Indicator of growth | karta charakterystyki |

sodium metasilicate

| Parameter | Method | Value | Time of exposure | Species | Environment | Determining method | Source |
|---|---|---|---|---|---|---|---|
| $LC_{50}$ | | 210 mg/l | 96 hour | Branchydanio rerio | | | |
| $EC_{50}$ | | 1700 mg/l | 48 hour | Daphnia magna | | | |
| $EC_{50}$ | | 207 mg/l | 72 hour | Scenedesmus subspicatus | | | |

**Chronic toxicity**

Alcohols, C12-13, ethoxylated

| Parameter | Method | Value | Time of exposure | Species | Environment | Determining method | Source |
|---|---|---|---|---|---|---|---|
| EC10 | | >0.1-1 mg/l | | Fishes (Pimephales promelas) | | Literary studies | karta charakterystki |
| EC10 | OECD 211 | >0.1-1 mg/l | | Daphnia (Daphnia magna) | | Literary studies | karta charakterystyki |

**12.2. Persistence and degradability**

**Biodegradability**

Alcohols, C12-13, ethoxylated

| Parameter | Method | Value | Time of exposure | Environment | Determining method | Result | Source |
|---|---|---|---|---|---|---|---|
| | OECD 301B | >60 % | 28 day | | Literary studies | Easily biodegradable | karta charakterystyki |
| | OECD 311 | >60 % | 69 day | | | Biodegradable | karta charakterystyki |

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended. The mixture is biodegradable.

**12.3. Bioaccumulative potential**

Data not available.

**12.4. Mobility in soil**

Alcohols, C12-13, ethoxylated

| Parameter | Value | Environment | Surrounding temperature | Determining method | Source |
|---|---|---|---|---|---|
| Koc | >5000 | | | Literary studies | karta charakterystyki |

Data not available.

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

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

**12.6. Endocrine disrupting properties**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**12.7. Other adverse effects**

Data not available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**Waste type code**

07 06 04 other organic solvents, washing liquids and mother liquors *

**Packaging waste type code**

15 01 02 plastic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

## SECTION 14: Transport information

**14.1. UN number or ID number**

not subject to transport regulations

**14.2. UN proper shipping name**

not relevant

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

not relevant

**14.4. Packing group**

not relevant

**14.5. Environmental hazards**

No

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

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

not relevant

## SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended.

**Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended**

2-(2-butoxyethoxy)ethanol

| Restriction | Conditions of restriction |
|---|---|
| 55 | 1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.<br><br>2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.<br><br>3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray<br>paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows:<br><br>"Do not use in paint spraying equipment". |

**15.2. Chemical safety assessment**

For mixture:
A Chemical Safety Assessment has not been carried out.
For the following substances, mixtures:
diethylene glycol monobutyl ether: the manufacturer has performed a chemical safety assessment
Alcohols, C12-13, ethoxylated: A chemical safety assessment is not required.
sodium metasilicate: the manufacturer has performed a chemical safety assessment

## SECTION 16: Other information

**A list of standard risk phrases used in the safety data sheet**

| | |
|---|---|
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

| | |
|---|---|
| H335 | May cause respiratory irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

**Guidelines for safe handling used in the safety data sheet**

| | |
|---|---|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P102 | Keep out of reach of children. |
| P501 | Dispose of container to properly labeled waste containers in accordance with national regulations. |

**Other important information about human health protection**

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

**Key to abbreviations and acronyms used in the safety data sheet**

| | |
|---|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL | Derived no-effect level |
| EC | Identification code for each substance listed in EINECS |
| $EC_{50}$ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| EuPCS | European Product Categorisation System |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| $LC_{50}$ | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| $LD_{50}$ | Lethal dose of a substance in which it can be expected death of 50% of the population |
| log Kow | Octanol-water partition coefficient |
| MARPOL | International Convention for the Prevention of Pollution from Ships |
| NOAEL | No observed adverse effect level |
| NOEC | No observed effect concentration |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted no-effect concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Agreement on the transport of dangerous goods by rail |
| UN | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and very Bioaccumulative |

| | |
|---|---|
| Acute Tox. | Acute toxicity |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic) |
| Eye Dam. | Serious eye damage |

| | |
|---|---|
| Eye Irrit. | Eye irritation |
| Met. Corr. | Corrosive to metals |
| Skin Corr. | Skin corrosion |
| STOT SE | Specific target organ toxicity - single exposure |

**Training guidelines**

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

**Recommended restrictions of use**

not available

**Information about data sources used to compile the Safety Data Sheet**

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**The changes (which information has been added, deleted or modified)**

General update

**More information**

Classification procedure - calculation method.

**Statement**

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.