

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. PRODUCT IDENTIFIER

Product name

**MEKOL 1444**



chemius.net/hOd54

#### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses

Dispersion adhesive, coating

Uses advised against

No information.

#### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer

MITOL, tovarna lepil, d.o.o., Sežana

Address: Partizanska c. 78 Sežana, Slovenia

Phone: +386 5 73 12 300

Fax: +386 5 73 12 390

E-mail: lilijana.kocjan@mitol.si

Point of contact for safety info: Lilijana Kocjan Žorž

#### 1.4. EMERGENCY TELEPHONE NUMBER

112

+386 5 73 12 300 (8:00-16:00)

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008 (CLP)

According to the regulation, the product is not classified as hazardous.

#### 2.2 LABEL ELEMENTS

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]

EUH208 Contains Methylchloroisothiazolinone, Methylisothiazolinone (3:1). May produce an allergic reaction.

2.2.2. Contains:

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2.2.3. Special provisions

Special hazards are not known or expected.

#### 2.3. OTHER HAZARDS

No information.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product description**

Preparation is a mixture of polymer dispersions, additives and water.

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### 3.1. SUBSTANCES

For mixtures see 3.2.

### 3.2. MIXTURES

| Name                                                                       | CAS<br>EC<br>Index                   | %         | Classification according<br>to Regulation (EC)<br>No 1272/2008 (CLP)                                                                                                                                                 | Specific Conc.<br>Limits                                                                                                                                                                              | REACH<br>Registration<br>No. |
|----------------------------------------------------------------------------|--------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| bronopol (INN)                                                             | 52-51-7<br>200-143-0<br>603-085-00-8 | 0,01-0,05 | Acute Tox. 4; H302<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>STOT SE 3; H335<br>Aquatic Acute 1; H400<br>[M=10]                                                                            |                                                                                                                                                                                                       | -                            |
| Methylchloroisothiazolinone,<br>Methylisothiazolinone (3:1) <sup>[B]</sup> | 55965-84-9<br>-<br>613-167-00-5      | < 0,0015  | Acute Tox. 3; H301<br>Acute Tox. 2; H310<br>Skin Corr. 1C; H314<br>Skin Sens. 1A; H317<br>Eye Dam. 1; H318<br>Acute Tox. 2; H330<br>Aquatic Acute 1; H400<br>[M=100]<br>Aquatic Chronic 1; H410<br>[M=100]<br>EUH071 | Skin Corr. 1C; H314:<br>C ≥ 0,6 %<br>Skin Irrit. 2; H315:<br>0,06 % ≤ C < 0,6 %<br>Skin Sens. 1; H317: C<br>≥ 0,0015 %<br>Eye Dam. 1; H318: C<br>≥ 0,6 %<br>Eye Irrit. 2; H319:<br>0,06 % ≤ C < 0,6 % | -                            |

Notes for substances:

- B** Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.
- In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %".
- In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

## SECTION 4. FIRST AID MEASURES

### 4.1. DESCRIPTION OF FIRST AID MEASURES

#### General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention.

#### Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

#### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. In case of doubt or if feeling unwell seek medical help. Show the physician the safety data sheet or label.

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### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

#### Inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

#### Skin contact

May cause defatting of the skin.

Contact with skin may cause irritation (redness, itching).

#### Eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

#### Ingestion

May cause nausea/vomiting and diarrhea.

### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

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## SECTION 5. FIREFIGHTING MEASURES

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### 5.1. EXTINGUISHING MEDIA

#### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam. The preparation does not burn.

#### Unsuitable extinguishing media

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### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

#### Hazardous combustion products

In case of heating harmful vapours/gases can be generated.

### 5.3. ADVICE FOR FIREFIGHTERS

#### Protective actions

In case of fire or heating do not breathe fumes/vapours.

#### Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

##### **Emergency procedures**

Ensure adequate ventilation.

#### 6.1.2. For emergency responders

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### 6.2. ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

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### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

#### 6.3.1. For containment

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#### 6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Clean the area with water.

#### 6.3.3. Other information

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### 6.4. REFERENCE TO OTHER SECTIONS

See also Sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

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### 7.1. PRECAUTIONS FOR SAFE HANDLING

#### 7.1.1. Protective measures

##### **Measures to prevent fire**

Ensure adequate ventilation.

##### **Measures to prevent aerosol and dust generation**

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##### **Measures to protect the environment**

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#### 7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

#### 7.2.1. Technical measures and storage conditions

Keep in tightly closed container. Keep in cool and well ventilated area. Avoid extreme temperatures. Protect from cold (prevent freezing). Keep away from food, drink and animal feeding stuffs. Storage temperature: +5 - 25 ° C.

#### 7.2.2. Packaging materials

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#### 7.2.3. Requirements for storage rooms and vessels

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#### 7.2.4. Storage class

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#### 7.2.5. Further information on storage conditions

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### 7.3. SPECIFIC END USE(S)

#### **Recommendations**

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#### **Industrial sector specific solutions**

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. CONTROL PARAMETERS

##### 8.1.1. Occupational exposure limit values

No information.

##### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

##### 8.1.3. DNEL/DMEL values

No information.

##### 8.1.4. PNEC values

No information.

#### 8.2. EXPOSURE CONTROLS

##### 8.2.1. Appropriate engineering control

###### **Substance/mixture related measures to prevent exposure during identified uses**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Do not eat, drink or smoke while working.

###### **Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration.

##### 8.2.2. Personal protective equipment

###### **Eye and face protection**

If there is risk of splashing into eyes, wear safety glasses with side shields (EN ISO 16321-1).

###### **Hand protection**

Protective gloves (EN 374).

###### **Skin protection**

Wear suitable protective clothing.

###### **Respiratory protection**

Not needed under normal use and adequate ventilation. Wear a mask when spraying. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

###### **Thermal hazards**

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##### 8.2.3. Environmental exposure controls

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

|   |                        |              |
|---|------------------------|--------------|
| - | <b>Physical state:</b> | liquid       |
| - | <b>Colour:</b>         | white, beige |
| - | <b>Odour:</b>          | mild         |

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### Important health, safety and environmental information

|   |                                     |                                                     |
|---|-------------------------------------|-----------------------------------------------------|
| - | pH                                  | 4 – 7 (DIN ISO 976)                                 |
| - | Melting point/freezing point        | ca. 0 °C                                            |
| - | Initial boiling point/boiling range | ca. 100 °C at 1013 hPa                              |
| - | Flash point                         | No information.                                     |
| - | Evaporation rate                    | No information.                                     |
| - | Flammability (solid, gas)           | No information.                                     |
| - | Explosion limits (vol%)             | No information.                                     |
| - | Vapour pressure                     | 23 hPa at 20 °C                                     |
| - | Vapour density                      | No information.                                     |
| - | Density                             | <b>Density:</b><br>> 1,1 g/cm <sup>3</sup> at 20 °C |
| - | Solubility                          | <b>Water:</b><br>Partially soluble                  |
| - | Partition coefficient               | No information.                                     |
| - | Auto-ignition temperature           | No information.                                     |
| - | Decomposition temperature           | No information.                                     |
| - | Viscosity                           | No information.                                     |
| - | Explosive properties                | No information.                                     |
| - | Oxidising properties                | No information.                                     |
| - | Particle characteristics            | No information.                                     |

### 9.2. OTHER INFORMATION

|   |          |  |
|---|----------|--|
| - | Remarks: |  |
|---|----------|--|

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

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### 10.2. CHEMICAL STABILITY

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

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### 10.4. CONDITIONS TO AVOID

No special precautions required. Consider the directions for use and storage.

### 10.5. INCOMPATIBLE MATERIALS

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### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Under normal use conditions no hazardous decomposition products are expected.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

#### (a) Acute toxicity

No information.

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### (b) Skin corrosion/irritation

**Additional information:** Causes skin irritation by degreasing.

### (c) Serious eye damage/irritation

**Additional information:** Eye contact may cause irritation.

### (d) Respiratory or skin sensitisation

No information.

### (e) (Germ cell) mutagenicity

No information.

### (f) Carcinogenicity

No information.

### (g) Reproductive toxicity

No information.

### Summary of evaluation of the CMR properties

No information.

### (h) STOT-single exposure

No information.

### (i) STOT-repeated exposure

No information.

### (j) Aspiration hazard

No information.

## 11.2. INFORMATION ON OTHER HAZARDS

### 11.2.1. Endocrine disrupting properties

No information.

### 11.2.2. Other information

No information.

## SECTION 12. ECOLOGICAL INFORMATION

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### 12.1. TOXICITY

#### 12.1.1. Acute (short-term) toxicity

No information.

#### 12.1.2. Chronic (long-term) toxicity

No information.

### 12.2. PERSISTENCE AND DEGRADABILITY

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

#### 12.2.2. Biodegradation

No information.

### 12.3. BIOACCUMULATIVE POTENTIAL

#### 12.3.1. Partition coefficient

No information.

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### 12.3.2. Bioconcentration factor (BCF)

No information.

### **12.4. MOBILITY IN SOIL**

#### 12.4.1. Known or predicted distribution to environmental compartments

No information.

#### 12.4.2. Surface tension

No information.

#### 12.4.3. Adsorption/Desorption

No information.

### **12.5. RESULTS OF PBT AND VPVB ASSESSMENT**

No evaluation.

### **12.6. ENDOCRINE DISRUPTING PROPERTIES**

No information.

### **12.7. ADDITIONAL INFORMATION**

#### **For product**

Do not allow to reach ground water, water courses or sewage system.

Product is not classified as dangerous for environment.

In normal use, no problems are expected in biological treatment plants.

Product is not readily biodegradable.

Contributes to the biochemical oxygen demand (BOD).

This product is miscible in water.

Introduce to sewage treatment plants only in properly diluted state.

## SECTION 13. DISPOSAL CONSIDERATIONS

### **13.1. WASTE TREATMENT METHODS**

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Dispose of in accordance with applicable governmental non-hazardous waste regulations.

##### **Waste codes / waste designations according to LoW**

08 04 10 - waste adhesives and sealants other than those mentioned in 080409

08 04 16 - aqueous liquid waste containing adhesives or sealants other than those mentioned in 080415

##### **Packaging**

Dispose of completely emptied packaging to the authorized waste collector or hand over to collection centers of waste management companies under the classification numbers for waste packaging. Dispose of in accordance with applicable waste disposal regulation. Containers must be recycled in accordance with national legislation and environmental regulations.

##### **Waste codes / waste designations according to LoW**

15 01 - packaging (including separately collected municipal packaging waste)

#### 13.1.2. Waste treatment-relevant information

Waste water, containing this product, must be properly treated, before being released to the sewage system (approval of an authorized organization). Proper methods for waste water treatment are ultrafiltration, coagulation and flocculation. Waste code for waste water containing this preparation is 08 04 16.

#### 13.1.3. Sewage disposal-relevant information

The residue remaining after flocculation and filtration (filter cake) can be landfilled on industrial landfills or incinerated in an appropriate waste incineration plant in consent with an authorized organization.

#### 13.1.4. Other disposal recommendations

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### SECTION 14. TRANSPORT INFORMATION

#### 14.1. UN NUMBER OR ID NUMBER

Not applicable.

#### 14.2. UN PROPER SHIPPING NAME

ADR, RID, IMDG, ADN, IATA: Not dangerous according to transport regulations.

#### 14.3. TRANSPORT HAZARD CLASS(ES)

Not applicable.

#### 14.4. PACKING GROUP

Not applicable.

#### 14.5. ENVIRONMENTAL HAZARDS

NO.

#### 14.6. SPECIAL PRECAUTIONS FOR USER

Not applicable.

#### 14.7. MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

Not applicable.

### SECTION 15. REGULATORY INFORMATION

#### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

##### 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

#### 15.2. CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16. OTHER INFORMATION

#### Indication of changes

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#### Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

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DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC<sub>50</sub> - Lethal Concentration to 50 % of a test population  
LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

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### Key literature references and sources for data

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### List of relevant H phrases

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H330 Fatal if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
EUH071 Corrosive to the respiratory tract.

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.