

## Safety Data Sheet

### ULTRACARE KERAPOXY CLEANER

Safety Data Sheet dated: 19/05/2022 - version 2



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

### 1.1. Product identifier

Mixture identification:

Trade name: ULTRACARE KERAPOXY CLEANER

Trade code: 9011498

UFI: 32C1-X0R1-R008-SCJU

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

Recommended use: Cleaner

Uses advised against: Not available

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

Company: MAPEI U.K. Ltd - Mapei House Steel Park Road

Halesowen - West Midlands B62 8HD

phone: +44(0)121 508 6970 - fax: +44(0)121 5086 960 - [www.mapei.co.uk](http://www.mapei.co.uk) (office hour 8:30-17:30)

Responsible: [sicurezza@mapei.it](mailto:sicurezza@mapei.it)

### 1.4. Emergency telephone number

call NHS 111 or a doctor/OHES Environmental Ltd +44(0)333 333 9962

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

Skin Irrit. 2 Causes skin irritation.

Eye Dam. 1 Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

#### Regulation (EC) n. 1272/2008 (CLP)

#### Pictograms and Signal Words



Danger

#### Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

#### Precautionary statements:

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/clothing and eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

#### Special Provisions:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

#### Contains:

2-aminoethanol; ethanolamine

sodium hydroxide; caustic soda

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Relevant

3.2. Mixtures

Mixture identification: ULTRACARE KERAPOXY CLEANER

Hazardous components within the meaning of the CLP regulation and related classification:

| Concentration (% w/w) | Name   | Ident. Numb.   | Classification   | Registration Number   |
|-----------------------|--|--|--|-----------------------|
| ≥10 - <20 %           | benzyl alcohol   | CAS:100-51-6<br>EC:202-859-9<br>Index:603-057-00-5   | Acute Tox. 4, H332; Acute Tox. 4, H302; Eye Irrit. 2, H319   | 01-2119492630-38-XXXX |
| ≥1 - <2.5 %           | 2-aminoethanol; ethanolamine   | CAS:141-43-5<br>EC:205-483-3<br>Index:603-030-00-8   | Skin Corr. 1B, H314 STOT SE 3, H335 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332<br><br>Specific Concentration Limits:<br>5% ≤ C < 100%: STOT SE 3 H335  | 01-2119486455-28-XXXX |
| ≥1 - <2.5 %           | sodium hydroxide; caustic soda   | CAS:1310-73-2<br>EC:215-185-5<br>Index:011-002-00-6  | Skin Corr. 1A, H314 Met. Corr. 1, H290<br><br>Specific Concentration Limits:<br>5% ≤ C < 100%: Skin Corr. 1A H314<br>2% ≤ C < 5%: Skin Corr. 1B H314<br>0.5% ≤ C < 2%: Skin Irrit. 2 H315<br>0.5% ≤ C < 2%: Eye Irrit. 2 H319  | 01-2119457892-27-0000 |
| ≥0.49 - <1 %          | 1-methoxy-2-propanol   | CAS:107-98-2<br>EC:203-539-1<br>Index:603-064-00-3   | Flam. Liq. 3, H226; STOT SE 3, H336  | 01-2119457435-35-XXXX |
| ≥0.016 - <0.025 %     | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one   | CAS:2634-33-5<br>EC:220-120-9<br>Index:613-088-00-6  | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411<br><br>Specific Concentration Limits:<br>C ≥ 0.05%: Skin Sens. 1 H317   |                       |
| <0.0015 %             | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) | CAS:55965-84-9<br>EC:611-341-5<br>Index:613-167-00-5 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute Tox. 3, H301 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Acute Tox. 2, H310 Acute Tox. 2, H330 Eye Dam. 1, H318, M-Chronic:100, M-Acute:100<br><br>Specific Concentration Limits:<br>C ≥ 0.6%: Skin Corr. 1C H314<br>0.06% ≤ C < 0.6%: Skin Irrit. 2 H315<br>C ≥ 0.6%: Eye Dam. 1 H318<br>0.06% ≤ C < 0.6%: Eye Irrit. 2 H319<br>C ≥ 0.0015%: Skin Sens. 1A H317 |                       |

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## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

### **5.3. Advice for firefighters**

Use suitable breathing apparatus.

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## **SECTION 6: Accidental release measures**

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

Wear personal protection equipment.

Remove persons to safety.

### **6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

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

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

### **6.4. Reference to other sections**

See also section 8 and 13

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

## 7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### List of components with OEL value

| Component                       | OEL Type | Country        | Ceiling | Long Term mg/m3 | Long Term ppm | Short Term mg/m3 | Short Term ppm | Behaviour  | Note   |
|---------------------------------|----------|----------------|---------|-----------------|---------------|------------------|----------------|------------|--|
| benzyl alcohol                  | National | FINLAND        |         | 45              | 10            |                  |                |            |  |
|                                 | National | POLAND         |         | 240             |               |                  |                |            |  |
|                                 | DFG      | GERMANY        | C       |                 |               | 44               | 10             |            |  |
|                                 | National | GERMANY        |         | 22              | 5             |                  |                |            |  |
|                                 | NDS      | POLAND         |         | 240             |               |                  |                |            |  |
|                                 | National | CZECH REPUBLIC |         | 40              |               |                  |                |            |  |
|                                 | National | LATVIA         |         | 5               |               |                  |                |            |  |
|                                 | National | CZECH REPUBLIC | C       |                 |               | 80               |                |            |  |
|                                 | National | BULGARIA       |         | 5.0             |               |                  |                |            |  |
|                                 | National | LITHUANIA      |         | 5               |               |                  |                |            |  |
| 2-aminoethanol;<br>ethanolamine | National | SLOVENIA       |         | 22              | 5             | 44               | 10             |            |  |
|                                 | National | NORWAY         |         | 2.500           | 1.000         |                  |                |            | H E  |
|                                 | NDS      | None           |         | 2.5             |               |                  |                |            |  |
|                                 | NDSch    | None           |         | 7.500           |               |                  |                |            |  |
|                                 | National | SWEDEN         |         | 8.000           | 3.000         | 15.000           | 6.000          |            | SWEDEN, Short-term value, 15 minutes average value |
|                                 | National | FINLAND        |         | 2.500           | 1.000         | 7.600            | 3.000          |            | FINLAND, hud                                       |
|                                 | EU       | None           |         | 2.5             | 1             | 7.600            | 3.000          |            | Skin   |
|                                 | ACGIH    | None           |         |                 | 3.000         |                  | 6.000          |            | Eye and skin irr                                   |
|                                 | DFG      | GERMANY        | C       |                 |               | 0.510            | 0.200          |            |  |
|                                 | ACGIH    | None           |         |                 | 3.000         |                  | 6.000          |            | eye and skin irritation                            |
|                                 | EU       | None           |         | 2.500           | 1.000         | 7.600            | 3.000          | Indicative | Possibility of significant uptake through the skin |
|                                 | National | DENMARK        |         | 2.5             | 1             |                  |                |            |  |
|                                 | National | GERMANY        |         | 0.500           | 0.200         |                  |                |            |  |
|                                 | National | PORTUGAL       |         | 2.5             | 1             | 7.6              | 3              |            |  |
|                                 | NDS      | POLAND         |         | 2.5             |               |                  |                |            |  |
|                                 | NDSch    | POLAND         |         |                 |               | 7.500            |                |            |  |
|                                 | NDS      | NETHERLANDS    |         | 2.500           |               | 7.600            |                |            |  |
|                                 | National | CZECH REPUBLIC |         | 2.500           |               |                  |                |            |  |
|                                 | National | HUNGARY        |         | 2.500           |               | 7.600            |                |            |  |
|                                 | National | CZECH REPUBLIC | C       |                 |               | 7.500            |                |            |  |

|                                   |                            |   |     |     |       |   |   |
|-----------------------------------|----------------------------|---|-----|-----|-------|---|---|
| sodium hydroxide;<br>caustic soda | National SLOVAKIA          | C |     |     | 7.600 |   |   |
|                                   | National ROMANIA           |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National LITHUANIA         |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | ACGIH                      |   |     | 3   |       | 6 | eye and skin irritation                                       |
|                                   | National SWEDEN            |   | 2.5 | 1   |       |   |   |
|                                   | EU                         |   | 2.5 | 1   | 7.6   | 3 | Indicative Possibility of significant uptake through the skin |
|                                   | National FRANCE            |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National SPAIN             |   | 2.5 | 1   | 7.5   | 3 |   |
|                                   | National GREECE            |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National FINLAND           |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National NORWAY            |   | 2.5 | 1   | 5     | 2 |   |
|                                   | National BELGIUM           |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | CHE SWITZERLAND            |   |     |     | 10    | 4 |   |
|                                   | Malaysi MALAYSIA<br>a OEL  |   | 7.5 | 3   |       |   |   |
|                                   | National ESTONIA           |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National LATVIA            |   | 0.5 | 0.2 | 7.6   | 3 |   |
|                                   | National SLOVAKIA          |   | 2.5 | 1   |       |   |   |
|                                   | National SLOVENIA          |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National UNITED<br>KINGDOM |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National BULGARIA          |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | TUR TURKEY                 |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | National CROATIA           |   | 2.5 | 1   | 7.6   | 3 |   |
|                                   | NDS None                   |   | 0.5 |     |       |   |   |
|                                   | NDSch None                 |   | 1   |     |       |   |   |
|                                   | National SWEDEN            | C | 1   |     | 2     |   | SWEDEN, Ceiling limit value                                   |
|                                   | National FINLAND           |   |     |     | 2     |   | FINLAND, takvärde   |
|                                   | National NORWAY            |   | 2   |     |       |   | NORWAY, T   |
|                                   | ACGIH None                 | C |     |     | 2     |   | URT, eye, and skin irr  |
|                                   | National NORWAY            |   | 2   |     | 2     |   |   |
|                                   | ACGIH                      | C |     |     | 2     |   |   |
|                                   | National SWEDEN            |   | 1   |     |       |   |   |
|                                   | National FRANCE            |   | 2   |     |       |   |   |
|                                   | National SPAIN             |   |     |     | 2     |   |   |
|                                   | National GREECE            |   | 2   |     | 2     |   |   |
|                                   | National DENMARK           | C |     |     | 2     |   |   |
|                                   | National FINLAND           | C |     |     | 2     |   |   |
|                                   | National NORWAY            | C |     |     | 2     |   |   |
|                                   | NDS POLAND                 |   | 0.5 |     |       |   |   |
|                                   | NDSch POLAND               |   |     |     | 1     |   |   |
|                                   | CHE SWITZERLAND            |   |     |     | 2     |   |   |
|                                   | National CZECH<br>REPUBLIC |   | 1   |     |       |   |   |
|                                   | National HUNGARY           |   | 2   |     | 2     |   |   |
|                                   | Malaysi MALAYSIA<br>a OEL  | C |     |     | 2     |   |   |
|                                   | National PORTUGAL          | C |     |     | 2     |   |   |
|                                   | National ESTONIA           |   | 1   |     | 2     |   |   |
|                                   | National LATVIA            |   | 0.5 |     |       |   |   |
|                                   | National CZECH<br>REPUBLIC | C |     |     | 2     |   |   |

|                      |                         |   |       |     |       |     |  |
|----------------------|-------------------------|---|-------|-----|-------|-----|--|
| 1-methoxy-2-propanol | National SLOVAKIA       |   | 2     |     |       |     |  |
|                      | National SLOVENIA       |   | 2     |     | 2     |     |  |
|                      | National UNITED KINGDOM |   |       |     | 2     |     |  |
|                      | National BULGARIA       |   | 2.0   |     |       |     |  |
|                      | National LITHUANIA      | C |       |     | 2     |     |  |
|                      | National CROATIA        |   |       |     | 2     |     |  |
|                      | SUVA None               |   | 375   | 100 | 568   | 150 |  |
|                      | National SWEDEN         |   | 190   | 50  | 300   | 75  | SWEDEN, Short-term value, 15 minutes average value                                     |
|                      | National FINLAND        |   | 370   | 100 | 560   | 150 | FINLAND, hud   |
|                      | National NORWAY         |   | 180   | 50  |       |     | NORWAY, H  |
|                      | NDS None                |   | 180   |     |       |     |  |
|                      | NDSch None              |   | 360   |     |       |     |  |
|                      | National NORWAY         |   | 185   | 50  | 370   | 100 |  |
|                      | EU None                 |   | 375   | 100 | 563   | 150 | Skin   |
|                      | ACGIH None              |   |       | 50  |       | 100 | A4 - Eye and URT irr   |
|                      | DFG GERMANY             | C |       |     | 740   | 200 |  |
|                      | ACGIH                   |   |       | 50  |       | 100 | A4 - Not Classifiable as a Human Carcinogen;eye and upper respiratory tract irritation |
|                      | National SWEDEN         |   | 190   | 50  |       |     |  |
|                      | National FRANCE         |   | 188   | 50  | 375   | 100 |  |
|                      | National SPAIN          |   | 375   | 100 | 568   | 150 |  |
|                      | National GREECE         |   | 360   | 100 | 1080  | 300 |  |
|                      | National DENMARK        |   | 185   | 50  |       |     |  |
|                      | National FINLAND        |   | 370   | 100 | 560   | 150 |  |
|                      | National GERMANY        |   | 370   | 100 |       |     |  |
|                      | National PORTUGAL       |   | 375   | 100 | 568   | 150 |  |
|                      | National NORWAY         |   | 180   | 50  | 225   | 75  |  |
|                      | National BELGIUM        |   | 375   | 100 | 568   | 150 |  |
|                      | NDS POLAND              |   | 180   |     |       |     |  |
|                      | NDSch POLAND            |   |       |     | 360   |     |  |
|                      | CHE SWITZERLAND         |   |       |     | 720   | 200 |  |
|                      | NDS NETHERLANDS         |   | 375   |     | 563   |     |  |
|                      | National CZECH REPUBLIC |   | 270   |     |       |     |  |
|                      | National HUNGARY        |   | 375   |     | 568   |     |  |
|                      | Malaysi a OEL MALAYSIA  |   | 369   | 100 |       |     |  |
|                      | National ESTONIA        |   | 375   | 100 | 568   | 150 |  |
|                      | National LATVIA         |   | 375   | 100 | 568   | 150 |  |
|                      | National CZECH REPUBLIC | C |       |     | 550   |     |  |
|                      | National SLOVAKIA       | C |       |     | 568   |     |  |
|                      | National SLOVAKIA       |   | 375   | 100 |       |     |  |
|                      | National SLOVENIA       |   | 375   | 100 | 562.5 | 150 |  |
|                      | National UNITED KINGDOM |   | 375   | 100 | 560   | 150 |  |
|                      | National BULGARIA       |   | 375.0 | 100 | 568.0 | 150 |  |
|                      | National ROMANIA        |   | 375   | 100 | 568   | 150 |  |
|                      | TUR TURKEY              |   | 375   | 100 | 568   | 150 |  |
|                      | National LITHUANIA      |   | 190   | 50  | 300   | 75  |  |

|                   |     |     |     |     |            |  |
|-------------------|-----|-----|-----|-----|------------|--|
| National CROATIA  | 375 | 100 | 568 | 150 | Indicative | Possibility of significant uptake through the skin |
| EU                | 375 | 100 | 568 | 150 |            |  |
| National BELGIUM  | 184 | 50  | 369 | 100 |            |  |
| National SLOVENIA | 375 | 100 | 568 | 150 |            |  |

#### Predicted No Effect Concentration (PNEC) values

| Component                       | CAS-No.  | PNEC Limit      | Exposure Route                      | Exposure Frequency | Remark |
|---------------------------------|----------|-----------------|-------------------------------------|--------------------|--------|
| benzyl alcohol                  | 100-51-6 | 1 mg/l          | Fresh Water                         |                    |        |
|                                 |          | 0.1 mg/l        | Marine water                        |                    |        |
|                                 |          | 5.27 mg/kg      | Freshwater sediments                |                    |        |
|                                 |          | 0.527 mg/kg     | Marine water sediments              |                    |        |
|                                 |          | 39 mg/l         | Microorganisms in sewage treatments |                    |        |
|                                 |          | 0.45 mg/kg      | Soil                                |                    |        |
|                                 |          | 2.3 mg/l        | Intermittent release                |                    |        |
| 2-aminoethanol;<br>ethanolamine | 141-43-5 | 0.085 mg/l      | Fresh Water                         |                    |        |
|                                 |          | 0.0085 mg/l     | Marine water                        |                    |        |
|                                 |          | 0.025 mg/l      | Intermittent release                |                    |        |
|                                 |          | 0.425 mg/kg     | Freshwater sediments                |                    |        |
|                                 |          | 0.0425 mg/kg    | Marine water sediments              |                    |        |
|                                 |          | 0.035 mg/kg     | Soil                                |                    |        |
|                                 |          | 100 mg/l        | Microorganisms in sewage treatments |                    |        |
| 1-methoxy-2-propanol            | 107-98-2 | 10.000000 mg/l  | Fresh Water                         |                    |        |
|                                 |          | 100.000000 mg/l | Intermittent release                |                    |        |
|                                 |          | 1.000000 mg/l   | Marine water                        |                    |        |
|                                 |          | 100.000000 mg/l | Microorganisms in sewage treatments |                    |        |
|                                 |          | 52.300000 mg/kg | Freshwater sediments                |                    |        |
|                                 |          | 5.200000 mg/kg  | Marine water sediments              |                    |        |
|                                 |          | 4.590000 mg/kg  | Soil                                |                    |        |

#### Derived No Effect Level. (DNEL)

| Component      | CAS-No.  | Worker Industrial | Worker Professional | Consumer | Exposure Route | Exposure Frequency | Remark                       |
|----------------|----------|-------------------|---------------------|----------|----------------|--------------------|------------------------------|
| benzyl alcohol | 100-51-6 |                   |                     | 20 mg/kg | Human Oral     |                    | Short Term, systemic effects |
|                |          |                   |                     | 4 mg/kg  | Human Oral     |                    | Long Term, systemic effects  |

|                      |          |                                     |                                    |                  |                              |
|----------------------|----------|-------------------------------------|------------------------------------|------------------|------------------------------|
| 1-methoxy-2-propanol | 107-98-2 | 110<br>mg/m <sup>3</sup>            | 27<br>mg/m <sup>3</sup>            | Human Inhalation | Short Term, systemic effects |
|                      |          | 22<br>mg/m <sup>3</sup>             | 5.4<br>mg/m <sup>3</sup>           | Human Inhalation | Long Term, systemic effects  |
|                      |          | 40<br>mg/kg                         | 20<br>mg/kg                        | Human Dermal     | Short Term, systemic effects |
|                      |          | 8<br>mg/kg                          | 4<br>mg/kg                         | Human Dermal     | Long Term, systemic effects  |
|                      |          | 369.<br>000000<br>mg/m <sup>3</sup> |                                    | Human Inhalation | Long Term, systemic effects  |
|                      |          | 553.<br>500000<br>mg/m <sup>3</sup> |                                    | Human Inhalation | Short Term, systemic effects |
|                      |          | 553.<br>500000<br>mg/m <sup>3</sup> |                                    | Human Inhalation | Short Term, local effects    |
|                      |          | 183.<br>000000<br>mg/kg             |                                    | Human Dermal     | Long Term, systemic effects  |
|                      |          |                                     | 43.<br>900000<br>mg/m <sup>3</sup> | Human Inhalation | Long Term, systemic effects  |
|                      |          |                                     | 78.<br>000000<br>mg/kg             | Human Dermal     | Long Term, systemic effects  |
|                      |          |                                     | 33.<br>000000<br>mg/m <sup>3</sup> | Human Oral       | Long Term, systemic effects  |

## 8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to appropriate EN standards, like EN 136, 140, 143, 149, 14387 for information on selection and use of appropriate respiratory protection equipment.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

## SECTION 9: Physical and chemical properties

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

Physical state: Liquid

Appearance: liquid

Color: transparent

Odour: Characteristic

Melting point / freezing point: Not available

Initial boiling point and boiling range: Not available



Flammability: Not available  
Upper/lower flammability or explosive limits: Not available  
Flash point: 100 °C (212 °F)  
Auto-ignition temperature: Not available  
Decomposition temperature: Not available  
pH: 11.00  
Viscosity: 15.00 mPA-s  
Kinematic viscosity: Not available  
Solubility in water: yes  
Solubility in oil: soluble  
Partition coefficient (n-octanol/water): Not available  
Vapour pressure: Not available  
Relative density: 1.00 g/cm<sup>3</sup>  
Vapour density: Not available  
**Particle characteristics:**  
Particle size: Not available

## 9.2. Other information

Miscibility: Not available  
Conductivity: Not available  
No other relevant information

---

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

---

## SECTION 11: Toxicological information

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

#### Toxicological information of the mixture:

|                                      |  |
|--------------------------------------|--|
| a) acute toxicity                    | Not classified<br>Based on available data, the classification criteria are not met |
| b) skin corrosion/irritation         | The product is classified: Skin Irrit. 2(H315)                                     |
| c) serious eye damage/irritation     | The product is classified: Eye Dam. 1(H318)  |
| d) respiratory or skin sensitisation | Not classified<br>Based on available data, the classification criteria are not met |
| e) germ cell mutagenicity            | Not classified<br>Based on available data, the classification criteria are not met |
| f) carcinogenicity                   | Not classified<br>Based on available data, the classification criteria are not met |
| g) reproductive toxicity             | Not classified<br>Based on available data, the classification criteria are not met |
| h) STOT-single exposure              | Not classified<br>Based on available data, the classification criteria are not met |
| i) STOT-repeated exposure            | Not classified<br>Based on available data, the classification criteria are not met |
| j) aspiration hazard                 | Not classified<br>Based on available data, the classification criteria are not met |

#### Toxicological information on main components of the mixture:

|                |                   |  |
|----------------|-------------------|--|
| benzyl alcohol | a) acute toxicity | LC50 Inhalation Rat = 11.00000 mg/l 4h |
|----------------|-------------------|--|

|  |                          |   |
|--|--------------------------|---|
|  | g) reproductive toxicity | LD50 Oral Rat = 1230.00000 mg/kg<br>NOAEL Rat = 1072.00000 mg/m3  |
| 2-aminoethanol;<br>ethanolamine  | a) acute toxicity        | LD50 Oral Rat 2100 mg/kg<br><br>LD50 Skin Rabbit 1000 mg/kg   |
| sodium hydroxide;<br>caustic soda  | a) acute toxicity        | LD50 Oral Rat 2000 mg/kg<br><br>LD50 Skin Rabbit 1350 mg/kg<br>LD50 Oral Rabbit 500 mg/kg<br>LD50 Skin Rabbit = 1350 mg/kg<br>LD50 Oral Rat = 325 mg/kg<br>LD50 Skin Rabbit = 1350 mg/kg            |
| 1-methoxy-2-propanol   | a) acute toxicity        | LD50 Oral Rat = 5300 mg/kg<br>LD50 Skin Rabbit = 13000 mg/kg<br>LC50 Inhalation Rat = 28.8 mg/l 4h<br>LD50 Skin Rabbit = 13 g/kg<br>LC50 Inhalation Rat > 7559 ppm 6h<br>LD50 Oral Rat = 5000 mg/kg |
|  | h) STOT-single exposure  | NOAEL Oral Rat = 919 mg/kg<br>NOAEL Inhalation Rat = 3.7 mg/kg<br>NOAEL Skin Rabbit > 1000 mg/kg  |
| 1,2-benzisothiazol-3(2H)-one;<br>1,2-benzisothiazolin-3-one  | a) acute toxicity        | LD50 Oral Rat = 670.00000 mg/kg   |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) | a) acute toxicity        | LC50 Inhalation Rat = 2.36000 mg/l 4h<br><br><br>LD50 Skin Rabbit = 660.00000 mg/kg<br>LD50 Oral Rat = 53.00000 mg/kg   |

## 11.2 Information on other hazards

### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  
>= 0.1%

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Not classified for environmental hazards

Based on available data, the classification criteria are not met

#### List of components with eco-toxicological properties

| Component      | Ident. Numb.  | Ecotox Infos   |
|----------------|---|--|
| benzyl alcohol | CAS: 100-51-6 -<br>EINECS: 202-859-9<br>- INDEX: 603-057-00-5 | a) Aquatic acute toxicity : EC50 Daphnia = 230 mg/L 48 |

|   |   |   |
|---|---|---|
|   |   | a) Aquatic acute toxicity : LC50 Fish = 770 mg/L 1<br>a) Aquatic acute toxicity : EC50 Algae = 770 mg/L 72<br>a) Aquatic acute toxicity : LC50 Fish = 460 mg/L 96<br>a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 460.00000 mg 96h EPA   |
| 2-aminoethanol; ethanolamine  | CAS: 141-43-5 -<br>EINECS: 205-483-3<br>- INDEX: 603-030-00-8   | a) Aquatic acute toxicity : EC50 Daphnia = 65 mg/L 48<br><br>a) Aquatic acute toxicity : EC50 Algae = 22.00000 mg/L 72<br>a) Aquatic acute toxicity : LC50 Fish = 349.00000 mg/L 96<br>a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 227.00000 mg 96h IUCLID<br><br>a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio = 3684.00000 mg/L 96h IUCLID<br><br>a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 300.00000 mg/L 96h EPA<br><br>a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 114.00000 mg/l 96h EPA<br><br>a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 15.000 mg/L 72h IUCLID |
| sodium hydroxide; caustic soda  | CAS: 1310-73-2 -<br>EINECS: 215-185-5<br>- INDEX: 011-002-00-6  | a) Aquatic acute toxicity : EC50 Daphnia = 76 mg/L 24<br><br>a) Aquatic acute toxicity : EC50 Daphnia = 40.38 mg/L 48<br>a) Aquatic acute toxicity : LC50 Fish = 99 mg/L 48<br>a) Aquatic acute toxicity : LC50 Fish = 45.5 mg/L 96<br>b) Aquatic chronic toxicity : NOEC Fish = 56 mg/L 96<br>a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 45.4 mg/L 96 IUCLID  |
| 1-methoxy-2-propanol  | CAS: 107-98-2 -<br>EINECS: 203-539-1<br>- INDEX: 603-064-00-3   | a) Aquatic acute toxicity : LC50 Fish = 5000 mg/L 96<br><br>a) Aquatic acute toxicity : EC50 Daphnia = 23300 mg/L 48<br>a) Aquatic acute toxicity : EC50 Algae > 1000 mg/L 96<br>a) Aquatic acute toxicity : LC50 Bacteria > 1000 mg/L 3<br>a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 20.8 g/l 96h IUCLID<br><br>a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 23300 mg/L 48 IUCLID  |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one  | CAS: 2634-33-5 -<br>EINECS: 220-120-9<br>- INDEX: 613-088-00-6  | a) Aquatic acute toxicity : LC50 Fish = 2.15000 mg/L<br><br>b) Aquatic chronic toxicity : NOEC Algae = 0.04030 mg/L 72h<br>b) Aquatic chronic toxicity : EC50 Algae = 0.11000 mg/L 72h<br>b) Aquatic chronic toxicity : EC10 Algae = 0.04000 mg/L 72h<br>b) Aquatic chronic toxicity : EC50 Daphnia = 3.27000 mg/L 48h<br>NOEC Daphnia = 1.20000 mg/L 21d   |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | CAS: 55965-84-9 -<br>EINECS: 611-341-5<br>- INDEX: 613-167-00-5 | a) Aquatic acute toxicity : EC50 Daphnia = 0.12 mg/L 48<br><br>a) Aquatic acute toxicity : LC50 Fish = 0.22 mg/L 96   |

- a) Aquatic acute toxicity : EC50 Algae = 0.048 mg/L 72
- b) Aquatic chronic toxicity : NOEC Algae = 0.0012 mg/L 72
- b) Aquatic chronic toxicity : NOEC Fish = 0.098 mg/L - 28 d
- b) Aquatic chronic toxicity : NOEC Daphnia = 0.004 mg/L - 21 d

#### 12.2. Persistence and degradability

Not available

#### 12.3. Bioaccumulative potential

Not available

#### 12.4. Mobility in soil

Not available

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

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

#### 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

#### 12.7 Other adverse effects

Not available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Hazardous waste: Yes

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

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### SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

#### 14.1. UN number or ID number

Not Applicable

#### 14.2. UN proper shipping name

Not Applicable

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

Not Applicable

#### 14.4. Packing group

Not Applicable

#### 14.5. Environmental hazards

Not Applicable

#### 14.6. Special precautions for user

Not Applicable

Road and Rail (ADR-RID) :

Not Applicable

Air ( IATA ) :

Not Applicable

Sea ( IMDG ) :

Not Applicable

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

Not Applicable

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### **SECTION 15: Regulatory information**

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

Not available

#### **Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:**

Restrictions related to the product: 3

Restrictions related to the substances contained: 30, 40, 75

#### **SVHC Substances:**

SVHC substances not present in a concentration  $\geq 0.1\%$  (w/w)

#### **German Water Hazard Class (WGK)**

1

#### **Regulation (EC) nr 648/2004 (Detergents)**

##### **Product contents:**

|                     |      |
|---------------------|------|
| Category:           | Qty: |
| anionic surfactants | < 5% |

#### **15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for the mixture.

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### **SECTION 16: Other information**

| <b>Code</b> | <b>Description</b>                       |
|-------------|--|
| H226        | Flammable liquid and vapour.             |
| H290        | May be corrosive to metals.              |
| H302        | Harmful if swallowed.                    |
| H312        | Harmful in contact with skin.            |
| H314        | Causes severe skin burns and eye damage. |
| H315        | Causes skin irritation.                  |
| H318        | Causes serious eye damage.               |
| H319        | Causes serious eye irritation.           |
| H332        | Harmful if inhaled.                      |

|      |                                    |
|------|------------------------------------|
| H335 | May cause respiratory irritation.  |
| H336 | May cause drowsiness or dizziness. |

| Code         | Hazard class and hazard category | Description  |
|--------------|----------------------------------|--|
| 2.16/1       | Met. Corr. 1                     | Substance or mixture corrosive to metals, Category 1         |
| 2.6/3        | Flam. Liq. 3                     | Flammable liquid, Category 3                                 |
| 3.1/4/Dermal | Acute Tox. 4                     | Acute toxicity (dermal), Category 4                          |
| 3.1/4/Inhal  | Acute Tox. 4                     | Acute toxicity (inhalation), Category 4                      |
| 3.1/4/Oral   | Acute Tox. 4                     | Acute toxicity (oral), Category 4                            |
| 3.2/1A       | Skin Corr. 1A                    | Skin corrosion, Category 1A                                  |
| 3.2/1B       | Skin Corr. 1B                    | Skin corrosion, Category 1B                                  |
| 3.2/2        | Skin Irrit. 2                    | Skin irritation, Category 2                                  |
| 3.3/1        | Eye Dam. 1                       | Serious eye damage, Category 1                               |
| 3.3/2        | Eye Irrit. 2                     | Eye irritation, Category 2                                   |
| 3.8/3        | STOT SE 3                        | Specific target organ toxicity — single exposure, Category 3 |

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| 3.2/2   | Calculation method       |
| 3.3/1   | Calculation method       |

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDDN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**\* Sheet model entirely changed in compliance to regulatory update.**