

## Safety Data Sheet

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

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

#### 1.1. Product identifier

Code: 012A290050  
Product name: SKIN  
UFI : XY92-20TY-500U-0AK3

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

Intended use: Detergent for washable surfaces

| Identified Uses                    | Industrial | Professional | Consumer |
|------------------------------------|------------|--------------|----------|
| Cleaner for washable surfaces      | -          | ✓            | -        |
| Uses Advised Against               |            |              |          |
| All other uses are advised against |            |              |          |

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

Name: ALLEGGRINI S.P.A.  
Full address: Vicolo Salvo D'Acquisto, 2  
District and Country: 24050 Grassobbio (BG) Italy  
Tel.: +39 035 4242111  
Fax: +39 035 526588  
e-mail address of the competent person responsible for the Safety Data Sheet: msds@alleggrini.com

#### 1.4. Emergency telephone number

For urgent inquiries refer to: Allegrini SpA : Tel. +39 035 4242111 Mon - Fri 8.00 - 17.00 GMT +1

### SECTION 2. Hazards identification

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

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

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

Hazard classification and indication:

|                                                      |      |                                          |
|------------------------------------------------------|------|------------------------------------------|
| Substance or mixture corrosive to metals, category 1 | H290 | May be corrosive to metals.              |
| Skin corrosion, category 1B                          | H314 | Causes severe skin burns and eye damage. |
| Serious eye damage, category 1                       | H318 | Causes serious eye damage.               |

#### 2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

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

#### Hazard statements:

|               |                                                         |
|---------------|---------------------------------------------------------|
| <b>H290</b>   | May be corrosive to metals.                             |
| <b>H314</b>   | Causes severe skin burns and eye damage.                |
| <b>EUH208</b> | Contains: Limonene<br>May produce an allergic reaction. |

#### Precautionary statements:

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>P305+P351+P338</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>P303+P361+P353</b> | IN CASE OF CONTACT WITH SKIN (or hair): immediately take off all contaminated clothing. Rinse the skin [or take a shower].       |
| <b>P280</b>           | Wear protective gloves/ protective clothing / eye protection / face protection.                                                  |
| <b>P310</b>           | Immediately call a POISON CENTER / doctor.                                                                                       |
| <b>P264</b>           | Wash your hands thoroughly after use.                                                                                            |
| <b>P260</b>           | Do not breathe vapors / aerosols.                                                                                                |

**Contains:** Disodium metasilicate

#### Ingredients according to Regulation (EC) No. 648/2004

Less than 5% Phosphates, Anionic surfactants, Non-ionic surfactants, Soap  
Perfumes, Limonene

### 2.3. Other hazards

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

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

### SECTION 3. Composition/information on ingredients

#### 3.1. Substances

Information not relevant

#### 3.2. Mixtures

Contains:

| Identification                                                          | x = Conc. %      | Classification (EC) 1272/2008 (CLP)                                         |
|-------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------|
| <b>2-butoxyethanol</b>                                                  |                  |                                                                             |
| INDEX 603-014-00-0                                                      | $4,5 \leq x < 5$ | Acute Tox. 3 H331, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315 |
| EC 203-905-0                                                            |                  | LD50 Oral: 1200 mg/kg, LC50 Inhalation vapours: 3 mg/l/4h                   |
| CAS 111-76-2                                                            |                  |                                                                             |
| REACH Reg. 01-2119475108-36                                             |                  |                                                                             |
| <b>Disodium metasilicate</b>                                            |                  |                                                                             |
| INDEX 014-010-00-8                                                      | $2,5 \leq x < 3$ | Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335      |
| EC 229-912-9                                                            |                  |                                                                             |
| CAS 6834-92-0                                                           |                  |                                                                             |
| REACH Reg. 01-2119449811-37                                             |                  |                                                                             |
| <b>Alcohols, branched and linear C12-C15, ethoxylated</b>               |                  |                                                                             |
| INDEX 1,5 $\leq x < 2$                                                  |                  | Eye Dam. 1 H318, Aquatic Chronic 3 H412                                     |
| EC 106232-83-1                                                          |                  |                                                                             |
| CAS 106232-83-1                                                         |                  |                                                                             |
| <b>Fatty acids, coco, potassium salts</b>                               |                  |                                                                             |
| INDEX 1,5 $\leq x < 2$                                                  |                  | Eye Irrit. 2 H319, Skin Irrit. 2 H315                                       |
| EC 263-049-9                                                            |                  |                                                                             |
| CAS 61789-30-8                                                          |                  |                                                                             |
| <b>Dodecylbenzenesulphonic acid, compound with 2-aminoethanol (1:1)</b> |                  |                                                                             |
| INDEX 1 $\leq x < 1,5$                                                  |                  | Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315                      |
| EC 248-024-2                                                            |                  | STA Oral: 500 mg/kg                                                         |
| CAS 26836-07-7                                                          |                  |                                                                             |

### SECTION 3. Composition/information on ingredients ... / >>

#### Limone

INDEX 601-096-00-2 0,607 ≤ x < 0,707

Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: C

EC 227-813-5  
CAS 5989-27-5  
REACH Reg. 01-2119529223-47

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

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

##### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

##### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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

##### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### 5.3. Advice for firefighters

##### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

##### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### SECTION 6. Accidental release measures

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### SECTION 6. Accidental release measures ... / >>

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.  
Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

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

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

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

Information not available

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Regulatory references:

|     |           |                                                                                                                                                                                                                                                                                            |
|-----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESP | España    | Límites de exposición profesional para agentes químicos en España 2021                                                                                                                                                                                                                     |
| ITA | Italia    | Decreto Legislativo 9 Aprile 2008, n.81                                                                                                                                                                                                                                                    |
| SVN | Slovenija | Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)                                                                                                    |
| EU  | OEL EU    | Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. |
|     | TLV-ACGIH | ACGIH 2022                                                                                                                                                                                                                                                                                 |

#### Limonene

##### Predicted no-effect concentration - PNEC

|                                              |         |       |
|----------------------------------------------|---------|-------|
| Normal value in fresh water                  | 0,0054  | mg/l  |
| Normal value in marine water                 | 0,00054 | mg/l  |
| Normal value for fresh water sediment        | 1,32    | mg/kg |
| Normal value for marine water sediment       | 0,13    | mg/kg |
| Normal value of STP microorganisms           | 1,8     | mg/l  |
| Normal value for the terrestrial compartment | 0,26    | mg/kg |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               |                    | Effects on workers |                |               |                  |
|-------------------|----------------------|----------------|---------------|--------------------|--------------------|----------------|---------------|------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic   | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral              |                      |                |               | 4,76<br>mg/kg bw/d |                    |                |               |                  |
| Inhalation        |                      |                |               | 8,33<br>mg/m3      |                    |                | 33,3<br>mg/m3 | 33,3<br>mg/m3    |
| Skin              | 0,1<br>g/cm2         |                |               |                    | 0,222<br>g/cm2     |                |               |                  |

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

#### Disodium metasilicate

##### Predicted no-effect concentration - PNEC

|                                    |      |      |
|------------------------------------|------|------|
| Normal value in fresh water        | 7,5  | mg/l |
| Normal value in marine water       | 1    | mg/l |
| Normal value of STP microorganisms | 1000 | mg/l |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               | Effects on workers |             |                |               |                       |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|-----------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic   | Acute local | Acute systemic | Chronic local | Chronic systemic      |
| Oral              |                      |                |               | 0,74<br>mg/kg bw/d |             |                |               |                       |
| Inhalation        |                      |                |               | 1,55<br>mg/m3      |             |                |               | 6,22<br>mg/m3         |
| Skin              |                      |                |               | 0,74<br>mg/kg bw/d |             |                |               | 1,49<br>mg/kg<br>bw/d |

#### 2-butoxyethanol

##### Threshold Limit Value

| Type      | Country | TWA/8h |     | STEL/15min |     | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
|           |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| VLA       | ESP     | 98     | 20  | 245        | 50  | SKIN                   |
| VLEP      | ITA     | 98     | 20  | 246        | 50  | SKIN                   |
| MV        | SVN     | 98     | 20  | 246        | 50  | SKIN                   |
| OEL       | EU      | 98     | 20  | 246        | 50  | SKIN                   |
| TLV-ACGIH |         | 97     | 20  |            |     |                        |

##### Predicted no-effect concentration - PNEC

|                                              |      |       |
|----------------------------------------------|------|-------|
| Normal value in fresh water                  | 8,8  | mg/l  |
| Normal value in marine water                 | 0,88 | mg/l  |
| Normal value for fresh water sediment        | 34,6 | mg/kg |
| Normal value for marine water sediment       | 3,46 | mg/kg |
| Normal value for water, intermittent release | 26,4 | mg/l  |
| Normal value of STP microorganisms           | 463  | mg/l  |
| Normal value for the terrestrial compartment | 2,33 | mg/kg |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                    |               | Effects on workers |              |                |               |                  |
|-------------------|----------------------|--------------------|---------------|--------------------|--------------|----------------|---------------|------------------|
|                   | Acute local          | Acute systemic     | Chronic local | Chronic systemic   | Acute local  | Acute systemic | Chronic local | Chronic systemic |
| Oral              |                      | 26,7<br>mg/kg bw/d |               | 6,3<br>mg/kg bw/d  |              |                |               |                  |
| Inhalation        | 147<br>mg/m3         | 426<br>mg/m3       |               | 59<br>mg/m3        | 246<br>mg/m3 | 1091<br>mg/m3  |               | 98<br>mg/m3      |

##### Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a

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

type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

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

### SECTION 9. Physical and chemical properties

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

| Properties                             | Value            | Information |
|----------------------------------------|------------------|-------------|
| Appearance                             | clear liquid     |             |
| Colour                                 | yellow           |             |
| Odour                                  | scented          |             |
| Melting point / freezing point         | not available    |             |
| Initial boiling point                  | 100 °C           |             |
| Flammability                           | not flammable    |             |
| Lower explosive limit                  | not available    |             |
| Upper explosive limit                  | not available    |             |
| Flash point                            | > 60 °C          |             |
| Auto-ignition temperature              | not available    |             |
| Decomposition temperature              | not available    |             |
| pH                                     | 13               |             |
| Kinematic viscosity                    | not available    |             |
| Solubility                             | soluble in water |             |
| Partition coefficient: n-octanol/water | not available    |             |
| Vapour pressure                        | not available    |             |
| Density and/or relative density        | 0,055-1,07 g/cm3 |             |
| Relative vapour density                | not available    |             |
| Particle characteristics               | not applicable   |             |

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

Information not available

##### 9.2.2. Other safety characteristics

Information not available

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

##### Limonene

May react with: oxidising agents.

##### Disodium metasilicate

The aqueous solutions act as: strong bases. Corrodes: aluminium, zinc, tin, aluminium alloys, zinc alloys, tin alloys.

##### 2-butoxyethanol

Decomposes under the effect of heat.

#### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

### SECTION 10. Stability and reactivity ... / >>

No hazardous reactions are foreseeable in normal conditions of use and storage.

Disodium metasilicate

Reacts violently with: acids.

2-butoxyethanol

May react dangerously with: aluminium,oxidising agents.Forms peroxides with: air.

#### 10.4. Conditions to avoid

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

2-butoxyethanol

Avoid exposure to: sources of heat,naked flames.

#### 10.5. Incompatible materials

Alcohols, branched and linear C12-C15, ethoxylated

Avoid contact with: strong oxidants.

Limonene

Avoid contact with: strong acids,oxidising agents.

2-butoxyethanol

Avoid contact with: strong oxidising agents,strong acids.

#### 10.6. Hazardous decomposition products

Alcohols, branched and linear C12-C15, ethoxylated

In case of overheating or fire, irritating / toxic gases / vapors may be evolved.

Limonene

May develop: carbon oxides.

2-butoxyethanol

May develop: hydrogen.

### SECTION 11. Toxicological information

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture:

> 20 mg/l

ATE (Oral) of the mixture:

>2000 mg/kg

ATE (Dermal) of the mixture:

Not classified (no significant component)

Alcohols, branched and linear C12-C15, ethoxylated

LD50 (Oral):

> 2000 mg/kg Rat

Fatty acids, coco, potassium salts

LD50 (Oral):

> 2000 mg/kg

Dodecylbenzenesulphonic acid, compound with 2-aminoethanol (1:1)

STA (Oral):

500 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)

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

|                            |                       |
|----------------------------|-----------------------|
| Limonene                   |                       |
| LD50 (Dermal):             | > 5000 mg/kg Rabbit   |
| LD50 (Oral):               | > 2000 mg/kg Rat      |
| Disodium metasilicate      |                       |
| LD50 (Dermal):             | > 5000 mg/kg Rat      |
| LD50 (Oral):               | > 1152 mg/kg Rat      |
| LC50 (Inhalation vapours): | > 2,06 g/m3 Rat       |
| 2-butoxyethanol            |                       |
| LD50 (Oral):               | 1200 mg/kg Guinea pig |
| LC50 (Inhalation vapours): | 3 mg/l/4h Rat         |

#### SKIN CORROSION / IRRITATION

Corrosive for the skin  
Classification according to the experimental Ph value

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

#### RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.  
Contains:  
Limonene

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

#### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Disodium metasilicate  
NOAEL rat: 159 mg / kg bw / d

#### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Disodium metasilicate  
NOAEL rat: 227 mg / kg bw / d

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

### 11.2. Information on other hazards

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

### SECTION 12. Ecological information

#### 12.1. Toxicity

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

Limonene

EC50 daphnia: 0.85 mg / l (24h) (Daphnia magna)

Alcohols, branched and linear C12-C15, ethoxylated

Chronic NOEC for Fish

> 0,1 mg/l Carassius Auratus

Chronic NOEC for Crustacea

> 0,1 mg/l Daphnia magna

Chronic NOEC for Algae / Aquatic Plants

> 0,1 mg/l

Fatty acids, coco, potassium salts

LC50 - for Fish

> 1 mg/l/96h

EC50 - for Crustacea

> 1 mg/l/48h

EC50 - for Algae / Aquatic Plants

> 1 mg/l/72h

Limonene

LC50 - for Fish

0,72 mg/l/96h Pimephales promelas

EC50 - for Crustacea

0,85 mg/l/48h

EC50 - for Algae / Aquatic Plants

0,32 mg/l/72h Pseudokirchneriella subcapitata

Disodium metasilicate

LC50 - for Fish

210 mg/l/96h

EC50 - for Crustacea

1700 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

48 mg/l/72h

2-butoxyethanol

LC50 - for Fish

1474 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea

1550 mg/l/48h Daphnia magna

Chronic NOEC for Fish

> 100 mg/l Brachydanio rerio

#### 12.2. Persistence and degradability

Alcohols, branched and linear C12-C15, ethoxylated

COD: 2400 mg O<sub>2</sub> / g

Biodegradability:> 70% (28d) (OECD 301F)

Limonene

Biodegradability: 80% (28d) (OECD 301D)

Alcohols, branched and linear C12-C15, ethoxylated

Rapidly degradable

Fatty acids, coco, potassium salts

Rapidly degradable

Limonene

Rapidly degradable

2-butoxyethanol

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

#### 12.3. Bioaccumulative potential

Information not available

#### 12.4. Mobility in soil

Information not available

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

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

#### 12.6. Endocrine disrupting properties

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

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

disruptors with environmental effects under evaluation.

#### 12.7. Other adverse effects

Information not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

### SECTION 14. Transport information

#### 14.1. UN number or ID number

ADR / RID, IMDG, IATA: 1719

#### 14.2. UN proper shipping name

ADR / RID: CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate)

IMDG: CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate)

IATA: CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate)

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

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8



#### 14.4. Packing group

ADR / RID, IMDG, IATA: III

#### 14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

#### 14.6. Special precautions for user

ADR / RID: HIN - Kemler: 80  
Special provision: 274

IMDG: EMS: F-A, S-B

IATA: Cargo:

Passengers:

Special provision:

Limited Quantities: 5 L

Limited Quantities: 5 L

Maximum quantity: 60 L

Maximum quantity: 5 L

A3, A803

Tunnel restriction code: (E)

Packaging instructions: 856

Packaging instructions: 852

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

Information not relevant

## SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

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

Product

Point 3 - 40

Contained substance

Point 75

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

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

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

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## SECTION 16. Other information

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

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| <b>Flam. Liq. 3</b>      | Flammable liquid, category 3                                       |
| <b>Met. Corr. 1</b>      | Substance or mixture corrosive to metals, category 1               |
| <b>Acute Tox. 3</b>      | Acute toxicity, category 3                                         |
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4                                         |
| <b>Asp. Tox. 1</b>       | Aspiration hazard, category 1                                      |
| <b>Skin Corr. 1B</b>     | Skin corrosion, category 1B                                        |
| <b>Eye Dam. 1</b>        | Serious eye damage, category 1                                     |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2                                         |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2                                        |
| <b>STOT SE 3</b>         | Specific target organ toxicity - single exposure, category 3       |
| <b>Skin Sens. 1B</b>     | Skin sensitization, category 1B                                    |
| <b>Aquatic Acute 1</b>   | Hazardous to the aquatic environment, acute toxicity, category 1   |
| <b>Aquatic Chronic 3</b> | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| <b>H226</b>              | Flammable liquid and vapour.                                       |
| <b>H290</b>              | May be corrosive to metals.                                        |
| <b>H331</b>              | Toxic if inhaled.                                                  |
| <b>H302</b>              | Harmful if swallowed.                                              |
| <b>H304</b>              | May be fatal if swallowed and enters airways.                      |

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

|             |                                                    |
|-------------|----------------------------------------------------|
| <b>H314</b> | Causes severe skin burns and eye damage.           |
| <b>H318</b> | Causes serious eye damage.                         |
| <b>H319</b> | Causes serious eye irritation.                     |
| <b>H315</b> | Causes skin irritation.                            |
| <b>H335</b> | May cause respiratory irritation.                  |
| <b>H317</b> | May cause an allergic skin reaction.               |
| <b>H400</b> | Very toxic to aquatic life.                        |
| <b>H412</b> | Harmful to aquatic life with long lasting effects. |

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)

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

- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

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

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

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

#### Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 09 / 11 / 13 / 14.