

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 1 / 8

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

**1.1. Product identifier**

Article No. (manufacturer/supplier) 1900201  
Trade name/designation JONAS MIX  
Hybrid-Fassadenfarbe  
Base 1  
UFI: 8EC3-N04A-C00H-6549

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

**Use of the substance/mixture:**

Coatings and paints, thinners, paint removers.

Uses advised against:

when properly used - no

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

**supplier (manufacturer/importer/downstream user/distributor)**

JONAS Farben GmbH

Dieselstraße 42 - 44

D-42489 Wuelfrath

Germany

Telephone: +49 2058 789 0

Telefax: +49 2058 789 55

E-mail: kontakt@jonas-farben.de

Website: www.jonas-farben.de

**Department responsible for information:**

E-mail (competent person):

kontakt@jonas-farben.de

**1.4. Emergency telephone number**

Emergency telephone:

+49 2058 789 0

available at office time from 07:30 a.m. to 04:00 p.m.

**SECTION 2: Hazards identification**

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

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Skin Sens. 1 / H317

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Aquatic Chronic 3 / H412

Hazardous to the aquatic environment

Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

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

**Hazard pictograms**



**Warning**

**Hazard statements**

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P103

Read carefully and follow all instructions.

P261

When spraying, use combination filter A2 / P2.

P273

Avoid release to the environment.

P280

Wear protective gloves and eye protection/face protection.

P302 + P352

IF ON SKIN: Wash with plenty of water and soap.

P362 + P364

Take off contaminated clothing and wash it before reuse.

P501

Dispose of contents / container in accordance with local regulations.

**Hazard components for labelling**

2-methyl-2H-isothiazol-3-one

1,2-benzisothiazol-3(2H)-one

2-octyl-2H-isothiazol-3-one

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 2 / 8

4,5-Dichloro-2-octyl-2H-isothiazol-3-one

**Supplemental hazard information**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.  
EUH210 Safety data sheet available on request.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Description** Dispersion paint, algicide and fungicide

**Hazardous ingredients**

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

| EC No.<br>CAS No.<br>Index No.          | REACH No.<br>Designation<br>classification: // Remark   | weight-% |
|---|---|----------|
| 236-675-5<br>13463-67-7<br>022-006-00-2 | titanium dioxide<br>Carc. 2 H351  | 10 - 20  |
| 220-120-9<br>2634-33-5<br>613-088-00-6  | 1,2-benzisothiazol-3(2H)-one<br>Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 1) / Aquatic Chronic 1 H410 (M = 1)                               | < 0,1    |
| 220-239-6<br>2682-20-4                  | 2-methyl-2H-isothiazol-3-one<br>Acute Tox. 3 H301 / Acute Tox. 3 H311 / Acute Tox. 1 H330 / Skin Corr. 1B H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 10) / Aquatic Chronic 1 H410 (M = 1) / EUH071 | < 0,1    |
| 212-950-5<br>886-50-0                   | Terbutryn<br>Acute Tox. 4 H302 / Skin Sens. 1B H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100)   | < 0,1    |
| 247-761-7<br>26530-20-1<br>613-112-00-5 | 2-octyl-2H-isothiazol-3-one<br>Acute Tox. 3 H301 / Acute Tox. 3 H311 / Acute Tox. 2 H330 / Skin Corr. 1 H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100)         | < 0,1    |
| 264-843-8<br>64359-81-5                 | 4,5-Dichloro-2-octyl-2H-isothiazol-3-one<br>Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Corr. 1 H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100)                | < 0,1    |
| 614-170-4<br>67923-10-8                 | aminofunctional oligosiloxanes<br>Skin Irrit. 2 H315 / Eye Irrit. 2 H319  | 1 - 2,5  |

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 3 / 8

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Unsuitable extinguishing media**

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

**Additional information**

The product itself does not burn.

**SECTION 6: Accidental release measures**

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

Ventilate affected area. Do not breathe vapours.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

**6.4. Reference to other sections**

Observe protective provisions (see section 7 and 8).

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advices on safe handling**

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

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

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 4 / 8

**Further information on storage conditions**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

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

Observe technical data sheet. Observe instructions for use.

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

8.1. **Control parameters**

**Occupational exposure limit values**

titanium dioxide

Index No. 022-006-00-2 / EC No. 236-675-5 / CAS No. 13463-67-7

WEL, TWA: 10 mg/m<sup>3</sup>

Remark: (inhalable fraction)

WEL, TWA: 4 mg/m<sup>3</sup>

Remark: (respirable fraction)

**Additional information**

TWA : Long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

8.2. **Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

**Personal protection equipment**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

**Hand protection**

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

**Body protection**

Wear antistatic clothing of natural fibres (cotton) or heat resistant synthetic fibres.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

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

**Physical state:**

**Liquid**

**Appearance:**

**viskos**

**Colour:**

**white**

**Odour:**

**low odor**

**Melting point/freezing point**

**not determined**

**Initial boiling point and boiling range:**

**not determined**

**Flammability:**

**not applicable**

**Lower and upper explosion limit:**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 5 / 8

|  |   |
|--|---|
| <b>Lower explosion limit:</b>                              | <b>0,6</b><br>Dipropylene glycol n-butyl ether  |
| <b>Upper explosion limit:</b>                              | <b>20,4</b><br>Dipropylene glycol n-butyl ether |
| <b>Flash point:</b>  | <b>not applicable</b>                           |
| <b>Auto-ignition temperature:</b>                          | Remark: No data available                       |
| <b>Decomposition temperature:</b>                          |   |
| <b>pH at 20 °C:</b>  | <b>8 - 8,5</b>                                  |
| <b>Kinematic viscosity (40°C):</b>                         | <b>9554,14 mm<sup>2</sup>/s</b>                 |
| <b>Dynamic viscosity (20°C):</b>                           | <b>15000 mPa* s</b>                             |
| <b>Solubility(ies):</b>                                    |   |
| <b>Water solubility at 20 °C:</b>                          | <b>completely miscible</b>                      |
| <b>Partition coefficient n-octanol /water (log P O/W):</b> | Remark: not determined                          |
| <b>Vapour pressure at 20 °C:</b>                           | <b>0,0018 mbar</b>                              |
| <b>Density and/or relative density:</b>                    |   |
| <b>Density at 20 °C:</b>                                   | <b>1,57 +/- 0,05 g/cm<sup>3</sup></b>           |
| <b>Relative vapour density:</b>                            | <b>not determined</b>                           |
| <b>particle characteristics:</b>                           | <b>not applicable</b>                           |

#### SECTION 10: Stability and reactivity

- 10.1. **Reactivity**  
No information available.
- 10.2. **Chemical stability**  
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
- 10.3. **Possibility of hazardous reactions**  
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.
- 10.4. **Conditions to avoid**  
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.
- 10.5. **Incompatible materials**  
not applicable
- 10.6. **Hazardous decomposition products**  
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

#### SECTION 11: Toxicological information

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

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation; Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

titanium dioxide

Carcinogenicity

Contains less than 1 % titanium dioxide particles with an aerodynamic diameter = 10 µm.

**STOT-single exposure; STOT-repeated exposure**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 6 / 8

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Practical experience/human evidence**

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**Overall assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

11.2. **Information on other hazards**

**Endocrine disrupting properties**

No information available.

**SECTION 12: Ecological information**

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

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

12.1. **Toxicity**

Based on available data, the classification criteria are not met.

**Long-term Ecotoxicity**

Harmful to aquatic life with long lasting effects.

12.2. **Persistence and degradability**

Toxicological data are not available.

12.3. **Bioaccumulative potential**

Toxicological data are not available.

**Bioconcentration factor (BCF)**

Toxicological data are not available.

12.4. **Mobility in soil**

Toxicological data are not available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. **Endocrine disrupting properties**

No information available.

12.7. **Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

13.1. **Waste treatment methods**

**Appropriate disposal / Product Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**List of proposed waste codes/waste designations in accordance with EWC**

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

**Appropriate disposal / Package Recommendation**

**Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.A 150110packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 7 / 8

**This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).**

**No dangerous good in sense of this transport regulation.**

14.1. **UN number or ID number**  
not applicable

14.2. **UN proper shipping name**

14.3. **Transport hazard class(es)**  
not applicable

14.4. **Packing group**  
not applicable

14.5. **Environmental hazards**  
Land transport (ADR/RID) not applicable  
Marine pollutant not applicable

14.6. **Special precautions for user**  
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.  
Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

Tunnel restriction code -

**Sea transport (IMDG)**

EmS-No. not applicable

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

No transport as bulk according IBC - Code.

**SECTION 15: Regulatory information**

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

**EU legislation**

**Regulation (EU) No. 528/2012 on biocides**

biocide, active substance

5-chloro-2-methyl-2H-isothiazol-3-one

1,2-benzisothiazol-3(2H)-one

2-octyl-2H-isothiazol-3-one

2-methyl-2H-isothiazol-3-one

3-iodo-2-propinyl butylcarbamate

4,5-Dichloro-2-octyl-2H-isothiazol-3-one

Terbutryn

**Use**

Main group 2: Preservatives

Product-type 7: Film preservatives

**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

VOC-value (in g/L): 40

**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

VOC product category: (Cat. A/c) ; VOC limit value: 40 g/l

Maximum VOC content of the product in a ready to use condition (in g/L): 40

**National regulations**

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

15.2. **Chemical Safety Assessment**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900201  
Print date: 03.07.2024  
Version: 10.3

JONAS MIX  
Hybrid-Fassadenfarbe Base 1  
Revision date: 15.01.2024  
Issue date: 04.10.2023

EN  
Page 8 / 8

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Full text of classification in section 3:**

|                          |                                      |   |
|--------------------------|--------------------------------------|---|
| Carc. 2 / H351           | Carcinogenicity                      | Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| Acute Tox. 4 / H302      | Acute toxicity (oral)                | Harmful if swallowed.   |
| Acute Tox. 2 / H330      | Acute toxicity (inhalative)          | Fatal if inhaled.   |
| Skin Irrit. 2 / H315     | Skin corrosion/irritation            | Causes skin irritation.   |
| Eye Dam. 1 / H318        | Serious eye damage/eye irritation    | Causes serious eye damage.  |
| Skin Sens. 1A / H317     | Respiratory or skin sensitisation    | May cause an allergic skin reaction.  |
| Aquatic Acute 1 / H400   | Hazardous to the aquatic environment | Very toxic to aquatic organisms.  |
| Aquatic Chronic 1 / H410 | Hazardous to the aquatic environment | Very toxic to aquatic life with long lasting effects.   |
| Acute Tox. 3 / H301      | Acute toxicity (oral)                | Toxic if swallowed.   |
| Acute Tox. 3 / H311      | Acute toxicity (dermal)              | Toxic in contact with skin.   |
| Acute Tox. 1 / H330      | Acute toxicity (inhalative)          | Fatal if inhaled.   |
| Skin Corr. 1B / H314     | Skin corrosion/irritation            | Causes severe skin burns and eye damage.  |
| Skin Sens. 1B / H317     | Respiratory or skin sensitisation    | May cause an allergic skin reaction.  |
| Skin Corr. 1 / H314      | Skin corrosion/irritation            | Causes severe skin burns and eye damage.  |
| Eye Irrit. 2 / H319      | Serious eye damage/eye irritation    | Causes serious eye irritation.  |

**Abbreviations and acronyms**

|           |   |
|-----------|---|
| ADR       | European Agreement concerning the International Carriage of Dangerous Goods by Road                               |
| OEL       | Occupational Exposure Limit Value   |
| BLV       | Biological Limit Value  |
| CAS       | Chemical Abstracts Service  |
| CLP       | Classification, Labelling and Packaging   |
| CMR       | Carcinogenic, Mutagenic and Reprotoxic  |
| DIN       | German Institute for Standardization / German industrial standard   |
| DNEL      | Derived No-Effect Level   |
| EAKV      | European Waste Catalogue Directive  |
| EC        | Effective Concentration   |
| EC        | European Community  |
| EN        | European Standard   |
| IATA-DGR  | International Air Transport Association – Dangerous Goods Regulations   |
| IBC Code  | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk               |
| ICAO-TI   | International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IMDG Code | International Maritime Code for Dangerous Goods   |
| ISO       | International Organization for Standardization  |
| LC        | Lethal Concentration  |
| LD        | Lethal Dose   |
| MARPOL    | Maritime Pollution: The International Convention for the Prevention of Pollution from Ships                       |
| OECD      | Organisation for Economic Cooperation and Development   |
| PBT       | persistent, bioaccumulative, toxic  |
| PNEC      | Predicted No Effect Concentration   |
| REACH     | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| IMDG Code | International Maritime Code for Dangerous Goods   |
| ISO       | International Organization for Standardization  |

**Further information**

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product. You may temporarily notice different labeling on the packaging compared to the safety data sheet until our stocks are sold out. We ask for your understanding.



**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 1 / 8

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

**1.1. Product identifier**

Article No. (manufacturer/supplier) 1900401  
Trade name/designation JONAS MIX  
Hybrid Fassadenfarbe  
Base 3  
UFI: 9HD3-703G-A00X-TKQ4

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

**Use of the substance/mixture:**

Coatings and paints, thinners, paint removers.

Uses advised against:

when properly used - no

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

**supplier (manufacturer/importer/downstream user/distributor)**

JONAS Farben GmbH

Dieselstraße 42 - 44

D-42489 Wuelfrath

Germany

Telephone: +49 2058 789 0

Telefax: +49 2058 789 55

E-mail: kontakt@jonas-farben.de

Website: www.jonas-farben.de

**Department responsible for information:**

E-mail (competent person):

kontakt@jonas-farben.de

**1.4. Emergency telephone number**

Emergency telephone:

+49 2058 789 0

available at office time from 07:30 a.m. to 04:00 p.m.

**SECTION 2: Hazards identification**

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

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Skin Sens. 1 / H317

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Aquatic Chronic 3 / H412

Hazardous to the aquatic environment

Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

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

**Hazard pictograms**



**Warning**

**Hazard statements**

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P103

Read carefully and follow all instructions.

P261

When spraying, use combination filter A2 / P2.

P273

Avoid release to the environment.

P280

Wear protective gloves and eye protection/face protection.

P302 + P352

IF ON SKIN: Wash with plenty of water and soap.

P362 + P364

Take off contaminated clothing and wash it before reuse.

P501

Dispose of contents / container in accordance with local regulations.

**Hazard components for labelling**

2-methyl-2H-isothiazol-3-one

1,2-benzisothiazol-3(2H)-one

2-octyl-2H-isothiazol-3-one

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 2 / 8

4,5-Dichloro-2-octyl-2H-isothiazol-3-one

**Supplemental hazard information**

not applicable

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Description** Dispersion paint, algicide and fungicide

**Hazardous ingredients**

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

| EC No.<br>CAS No.<br>Index No.          | REACH No.<br>Designation<br>classification: // Remark   | weight-% |
|---|---|----------|
| 220-120-9<br>2634-33-5<br>613-088-00-6  | 1,2-benzisothiazol-3(2H)-one<br>Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 1) / Aquatic Chronic 1 H410 (M = 1)                               | < 0,1    |
| 220-239-6<br>2682-20-4                  | 2-methyl-2H-isothiazol-3-one<br>Acute Tox. 3 H301 / Acute Tox. 3 H311 / Acute Tox. 1 H330 / Skin Corr. 1B H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 10) / Aquatic Chronic 1 H410 (M = 1) / EUH071 | < 0,1    |
| 212-950-5<br>886-50-0                   | Terbutryn<br>Acute Tox. 4 H302 / Skin Sens. 1B H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100)   | < 0,1    |
| 247-761-7<br>26530-20-1<br>613-112-00-5 | 2-octyl-2H-isothiazol-3-one<br>Acute Tox. 3 H301 / Acute Tox. 3 H311 / Acute Tox. 2 H330 / Skin Corr. 1 H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100)         | < 0,1    |
| 264-843-8<br>64359-81-5                 | 4,5-Dichloro-2-octyl-2H-isothiazol-3-one<br>Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Corr. 1 H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100)                | < 0,1    |
| 614-170-4<br>67923-10-8                 | aminofunctional oligosiloxanes<br>Skin Irrit. 2 H315 / Eye Irrit. 2 H319  | 1 - 2,5  |

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 3 / 8

medical advice immediately.

#### **Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

##### **Unsuitable extinguishing media**

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

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

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

##### **Additional information**

The product itself does not burn.

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

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

Ventilate affected area. Do not breathe vapours.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

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

Observe protective provisions (see section 7 and 8).

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

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

##### **Advices on safe handling**

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

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

##### **Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

##### **Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

##### **Further information on storage conditions**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 4 / 8

- 7.3. **Specific end use(s)**  
Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

- 8.1. **Control parameters**  
**Occupational exposure limit values**  
not applicable

- 8.2. **Exposure controls**  
Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

### Personal protection equipment

#### **Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

#### **Hand protection**

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

#### **Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

#### **Body protection**

Wear antistatic clothing of natural fibres (cotton) or heat resistant synthetic fibres.

#### **Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

#### Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| <b>Physical state:</b>                          | <b>Liquid</b>                                   |
| <b>Appearance:</b>                              | <b>viskos</b>                                   |
| <b>Colour:</b>                                  | <b>white</b>                                    |
| <b>Odour:</b>                                   | <b>low odor</b>                                 |
| <b>Melting point/freezing point</b>             | <b>not determined</b>                           |
| <b>Initial boiling point and boiling range:</b> | <b>not determined</b>                           |
| <b>Flammability:</b>                            | <b>not applicable</b>                           |
| <b>Lower and upper explosion limit:</b>         |   |
| <b>Lower explosion limit:</b>                   | <b>0,6</b><br>Dipropylene glycol n-butyl ether  |
| <b>Upper explosion limit:</b>                   | <b>20,4</b><br>Dipropylene glycol n-butyl ether |
| <b>Flash point:</b>                             | <b>not applicable</b>                           |
| <b>Auto-ignition temperature:</b>               | Remark: No data available                       |
| <b>Decomposition temperature:</b>               |   |
| <b>pH at 20 °C:</b>                             | <b>8 - 8,5</b>                                  |
| <b>Kinematic viscosity (40°C):</b>              | <b>9489,05 mm<sup>2</sup>/s</b>                 |
| <b>Dynamic viscosity (20°C):</b>                | <b>13000 mPa* s</b>                             |

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 5 / 8

|  |                                       |
|--|---------------------------------------|
| <b>Solubility(ies):</b>                                    |                                       |
| <b>Water solubility at 20 °C:</b>                          | <b>completely miscible</b>            |
| <b>Partition coefficient n-octanol /water (log P O/W):</b> | Remark: not determined                |
| <b>Vapour pressure at 20 °C:</b>                           | <b>0,0012 mbar</b>                    |
| <b>Density and/or relative density:</b>                    |                                       |
| <b>Density at 20 °C:</b>                                   | <b>1,37 +/- 0,05 g/cm<sup>3</sup></b> |
| <b>Relative vapour density:</b>                            | <b>not determined</b>                 |
| <b>particle characteristics:</b>                           | <b>not applicable</b>                 |

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

No information available.

##### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

##### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

##### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

##### 10.5. Incompatible materials

not applicable

##### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

#### SECTION 11: Toxicological information

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

###### Acute toxicity

Based on available data, the classification criteria are not met.

###### Skin corrosion/irritation; Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

###### Respiratory or skin sensitisation

May cause an allergic skin reaction.

###### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

###### STOT-single exposure; STOT-repeated exposure

Based on available data, the classification criteria are not met.

###### Aspiration hazard

Based on available data, the classification criteria are not met.

###### Practical experience/human evidence

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

###### Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

###### Remark

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

##### 11.2. Information on other hazards

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 6 / 8

**Endocrine disrupting properties**

No information available.

**SECTION 12: Ecological information**

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

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

**12.1. Toxicity**

Based on available data, the classification criteria are not met.

**Long-term Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

Toxicological data are not available.

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**Bioconcentration factor (BCF)**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal / Product**

**Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**List of proposed waste codes/waste designations in accordance with EWC**

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

**Appropriate disposal / Package**

**Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste. A 150110 packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information**

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

**14.1. UN number or ID number**

not applicable

**14.2. UN proper shipping name**

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

not applicable

**14.4. Packing group**

not applicable

**14.5. Environmental hazards**

Land transport (ADR/RID)

not applicable

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 7 / 8

Marine pollutant not applicable

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

Tunnel restriction code -

**Sea transport (IMDG)**

EmS-No. not applicable

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

No transport as bulk according IBC - Code.

**SECTION 15: Regulatory information**

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

**EU legislation**

**Regulation (EU) No. 528/2012 on biocides**

biocide, active substance

5-chloro-2-methyl-2H-isothiazol-3-one

1,2-benzisothiazol-3(2H)-one

2-octyl-2H-isothiazol-3-one

2-methyl-2H-isothiazol-3-one

3-iodo-2-propinyl butylcarbamate

4,5-Dichloro-2-octyl-2H-isothiazol-3-one

Terbutryn

**Use**

Main group 2: Preservatives

Product-type 7: Film preservatives

**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

VOC-value (in g/L): 40

**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

VOC product category: (Cat. A/c) ; VOC limit value: 40 g/l

Maximum VOC content of the product in a ready to use condition (in g/L): 40

**National regulations**

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Full text of classification in section 3:**

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

Acute Tox. 2 / H330

Acute toxicity (inhalative)

Fatal if inhaled.

Skin Irrit. 2 / H315

Skin corrosion/irritation

Causes skin irritation.

Eye Dam. 1 / H318

Serious eye damage/eye irritation

Causes serious eye damage.

Skin Sens. 1A / H317

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Aquatic Acute 1 / H400

Hazardous to the aquatic environment

Very toxic to aquatic organisms.

Aquatic Chronic 1 / H410

Hazardous to the aquatic environment

Very toxic to aquatic life with long lasting effects.

Acute Tox. 3 / H301

Acute toxicity (oral)

Toxic if swallowed.

Acute Tox. 3 / H311

Acute toxicity (dermal)

Toxic in contact with skin.

Acute Tox. 1 / H330

Acute toxicity (inhalative)

Fatal if inhaled.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 1900401  
Print date: 03.07.2024  
Version: 7.3

JONAS MIX  
Hybrid Fassadenfarbe Base 3  
Revision date: 03.07.2024  
Issue date: 04.10.2023

EN  
Page 8 / 8

|                      |                                   |  |
|----------------------|-----------------------------------|--|
| Skin Corr. 1B / H314 | Skin corrosion/irritation         | Causes severe skin burns and eye damage. |
| Skin Sens. 1B / H317 | Respiratory or skin sensitisation | May cause an allergic skin reaction.     |
| Skin Corr. 1 / H314  | Skin corrosion/irritation         | Causes severe skin burns and eye damage. |
| Eye Irrit. 2 / H319  | Serious eye damage/eye irritation | Causes serious eye irritation.           |

**Abbreviations and acronyms**

|           |   |
|-----------|---|
| ADR       | European Agreement concerning the International Carriage of Dangerous Goods by Road                               |
| OEL       | Occupational Exposure Limit Value   |
| BLV       | Biological Limit Value  |
| CAS       | Chemical Abstracts Service  |
| CLP       | Classification, Labelling and Packaging   |
| CMR       | Carcinogenic, Mutagenic and Reprotoxic  |
| DIN       | German Institute for Standardization / German industrial standard   |
| DNEL      | Derived No-Effect Level   |
| EAKV      | European Waste Catalogue Directive  |
| EC        | Effective Concentration   |
| EC        | European Community  |
| EN        | European Standard   |
| IATA-DGR  | International Air Transport Association – Dangerous Goods Regulations   |
| IBC Code  | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk               |
| ICAO-TI   | International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IMDG Code | International Maritime Code for Dangerous Goods   |
| ISO       | International Organization for Standardization  |
| LC        | Lethal Concentration  |
| LD        | Lethal Dose   |
| MARPOL    | Maritime Pollution: The International Convention for the Prevention of Pollution from Ships                       |
| OECD      | Organisation for Economic Cooperation and Development   |
| PBT       | persistent, bioaccumulative, toxic  |
| PNEC      | Predicted No Effect Concentration   |
| REACH     | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| IMDG Code | International Maritime Code for Dangerous Goods   |
| ISO       | International Organization for Standardization  |

**Further information**

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product. You may temporarily notice different labeling on the packaging compared to the safety data sheet until our stocks are sold out. We ask for your understanding.

\* Data changed compared with the previous version