

Safety Data Sheet

SECTION 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 General information:

After inhalation:

Move person to the fresh air. If symptoms persist, call a physician.

After skin contact:

Remove contaminated clothing. Wash with plenty of water.

After eye contact:

Wash off open lid with plenty of water, ask for medical help.

After swallowing:

Wash mouth with water and then drink cca. 100mL of it. Ask for medical help

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicological information

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire Prevention Regulations

5.1 Extinguishing media

Suitable extinguishing agents:

No limitations

Unsuitable extinguishing agents:

n.a.

5.2 Special hazards arising from the substance or mixture

Not applicable for solid product.

5.3 Advice for firefighters

Self-contained breathing apparatus (SBA) and full protective equipment is recommended.

SECTION 6: Accidental Substance Release Regulations

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8.

6.2 Environmental precautions

Not applicable

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6.3 Methods and material for containment and cleaning up

Small amount wipe up with handkerchief, bigger amount with adsorbed material.

6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Closed tightly package after use and protect it from temperatures below 4°C.

7.2 Conditions for safe storage, including any incompatibilities

Storage in dry place on room temperature and tightly closed. Protect it from freezing, do not store below 4°C.

7.3. Specific end use(s)

No specific end use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Silicon dioxide, amorphus MV= 4 mg/m³ (Inhalable fraction)

Inhalable fraction – the part of the total suspended material that is inhaled by the employees.

8.2 Exposure controls

Personal protective equipment

General protection and hygienic measures:

Consider good hygienic precaution. Do not eat, drink or smoke when working. Wash hands when stop working and during breaks.

Breathing equipment:

Not necessary

Protection of hands:

Recommended: PVC gloves

Eye protection:

Wear goggles

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| SECTION 9: Physical and chemical properties | |
|--|-------------------------------|
| 9.1 Information on basic physical and chemical properties | |
| Form | liquid |
| Colour | transparent |
| Odour | odourless |
| pH value: | 9 - 10 |
| Melting point | 0 °C |
| Boiling point | 100 °C |
| Flash point | n.a. |
| Evaporation rate | n.a. |
| Flammability (solid, gas) | n.a. |
| Flammability (liquids) | Not flammable |
| Explosion limit | n.a. |
| Vapour pressure | ca. 23 hPa at 20°C |
| Relative vapour density | n.a. |
| Relative density | 1,10 – 1,30 g/cm ³ |
| Solubility in water | Dispersible |
| Solubility in other solvents | n.a. |
| Partition coefficient: n-octanol/water | n.a. |
| Decomposition T | n.a. |
| Viscosity, dynamic | < 20 mPa.s |
| Viscosity, kinematic | n.a. |
| Explosive properties | Not explosive |
| Oxidizing properties | Not classified as oxidizing. |
| Particle characteristics | n.a. |
| 9.2 Other information | |
| No other information. | |

| SECTION 10: Stability and reactivity |
|---|
| 10.1 Reactivity |
| No specific test data related to reactivity available for this product. |
| 10.2 Chemical stability |
| In the product form is stable under normal storage and handling conditions. |
| 10.3 Possibility of hazardous reaction |
| No hazardous reaction when handled and stored according to provisions. |
| 10.4 Conditions to avoid |

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Avoid drying out of the solution as this can lead to build up of dust.

10.5 Incompatible materials

Copper, Mild steel, Aluminium

10.6 Hazardous decomposition products

None at normal storing and work conditions.

SECTION 11: Toxicological information

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

Test results:

Acute oral toxicity: LD50 > 5000 mg/kg rat

Respiratory or skin sensitization: Did not cause sensitization on laboratory animals (method: Magnusson-Kligman). The value is estimated from tests on similar products.

Genotoxicity in vitro: Ames test negative (method: OECD Test Guideline 471). The value is estimated from tests on similar products.

Silicon dioxide, amorphous

Acute oral toxicity: LD50 > 10000 mg/kg rat

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified.

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: No data available

11.2 Information on other hazards

No other information available.

SECTION 12: Ecological information

12.1 Toxicity

Test result:

Toxicity to fish LC50 > 5000 mg/l (96 h) Danio reiro

Toxicity to daphnia and other aquatic invertebrates: EC50 7600 mg/l (48 h) Ceriodaphnia dubia

Toxicity to algae: NOEC 60 mg/l (48 h) Selastrum capricornutum; EC50 120 mg/l (48 h) Selastrum capricornutum; EC10 140 mg/l (48 h) Selastrum capricornutum

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The values is estimated from tests on similar products.

12.2 Persistence and degradability

Not applicable inorganic.

12.3 Bioaccumulative potential

No bioaccumulation is expected

12.4 Mobility in soil

Not available for the product.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to EC 1907/2006 REACH, annex XIII.

12.6 Other adverse effect

Not known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging: Empty remaining content. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport Information

| | Land-Road/Railway (ADR/RID): | Inland waterways (ADNR): | Sea (IMDG): | Air (IATA): |
|---|---------------------------------|-----------------------------|-------------|-------------|
| 14.1 UN number | No data available | | | |
| 14.2 UN proper shipping name | No data available | | | |
| 14.3 Transport hazard class(es) | No data available | | | |
| 14.4 Packing group | No data available | | | |
| 14.5 Environmental hazards | No data available | | | |
| 14.6 Special precautions for user | No special precautions | | | |
| 14.7 Maritime transport in bulk according to IMO instruments | No data available | | | |

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Not a dangerous product within the meaning of the transport regulations.

SECTION 15: Regulatory information

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

EU Label Information:

Classification and labeling have been performed according to Regulative 1272/2008.

EU Hazard Symbol and Indication of Danger:

According to Regulation EC 1272/2008 this product is not classified.

15.2 Chemical safety assessment

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

SECTION 16: Other information

Revision:

Version 05 issued on December 2022 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

Revision in accordance with changes in COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Legend of abbreviations:

ADR - Accord européen relatif au transport international des marchandises dangereuses par route

CAS - Chemical Abstracts Service

CLP – Classification, labeling and packaging

CMR - Carcinogenic, Mutagenic or toxic for Reproduction

DNEL - Derived No-Effect Level

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EmS Emergency Schedule

GHS "Globally Harmonized System of Classification and Labelling of Chemicals"

IARC: International agency for research on cancer

IATA International Air Transport Association

IATA/DGR Dangerous Goods Regulations (DGR) for the air transport (IATA)

ICAO International Civil Aviation Organization IMDG International Maritime

Dangerous Goods Code PBT persistent bioaccumulative, toxic

LD50: Median lethal dose; the dose causing 50% lethality

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NTP: National toxicology program

OSHA: Occupational safety and health administration

OEL: Occupational exposure limit

OSHA PELs: Permissible Exposure Limits - 8-hour TWA (time-weighted average) concentrations unless otherwise noted.

PNEC Predicted No-Effect Concentration

PPM parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Règlement concernant le transport International ferroviaire des marchandises

Dangereuses št. vPvB very Persistent and very Bioaccumulative (zelo obstojno in se zelo lahko kopiči v organizmih)

Disclaimer of expressed and implied warranties:

The information contained in the safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.