

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

JANSEN

Article No.: 40-2-1-9010
Print date: 20.10.2021
Version: 3.60

Linienmarkier-Spray
Revision date: 20.05.2021
Issue date: 20.05.2021

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

1.1. Product identifier

Article No. (manufacturer/supplier): 40-2-1-9010
Trade name/designation: Linienmarkier-Spray
weiss
seidenmatt bis seidenglänzend

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

Relevant identified uses:

Varnish / paint

Uses advised against:

Aware of any other information

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

P.A. Jansen GmbH u. Co., KG
Hochstadenstraße 22
D-53474 Bad Neuenahr-Ahrweiler
Telephone: +49 2641 3897-0
Telefax: +49 2641 3897-28
Homepage: www.jansen.de

Department responsible for information:

laboratory
E-mail (competent person): sicherheitsdatenblatt@jansen.de

1.4. Emergency telephone number

Emergency telephone number: +49 2641 3897-51
Only available during office hours.

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].

| | | |
|------------------|----------------------|---|
| Aerosol 1 / H222 | Aerosol | Extremely flammable aerosol. |
| Aerosol 1 / H229 | Aerosol | Pressurised container: May burst if heated. |
| STOT SE 3 / H336 | STOT-single exposure | May cause drowsiness or dizziness. |

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

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

Hazard pictograms



Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

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1-methoxy-2-propanol

Supplemental hazard information

EUH208 Contains Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine. May produce an allergic reaction.

2.3. Other hazards

Without adequate ventilation, explosive atmosphere/gas mix may be created.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description

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

| EC No. CAS No. Index No. | REACH No. Designation classification: // Remark | weight-% |
|---------------------------------------|--|------------|
| 204-065-8 115-10-6 603-019-00-8 | 01-2119472128-37 Dimethyl ether compressed gas H280 / Flam. Gas 1 H220 | 35 - 50 |
| 203-539-1 107-98-2 603-064-00-3 | 01-2119457435-35 1-methoxy-2-propanol Flam. Liq. 3 H226 / STOT SE 3 H336 | 15 - 20 |
| 203-603-9 108-65-6 607-195-00-7 | 01-2119475791-29 2-methoxy-1-methylethyl acetate STOT SE 3 H336 / Flam. Liq. 3 H226 | 15 - 20 |
| 605-296-0 162627-17-0 | 01-2119970640-38 Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine Skin Sens. 1A H317 | 0,05 - 0,1 |

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 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

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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. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

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

Keep away from sources of ignition. 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

Protect from heat and direct sunlight. Ensure good ventilation / exhaustion at the workplace. Observe the exposure limits. Use only in well-ventilated areas. Ensure good interior ventilation, especially at floor level (vapors are heavier than air).

Further information

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Container under pressure. Protect from direct exposure to sunlight and temperatures exceeding 50 °C. Do not open with force, even when empty.

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

Requirements for storage rooms and vessels

Store in a cool dry place. Observe official regulations on storing packagings with pressurized containers observed.

Hints on joint storage

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

Further information on storage conditions

Protect from heat and direct sunlight. Take care of instructions on label.

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

Dimethyl ether

Index No. 603-019-00-8 / EC No. 204-065-8 / CAS No. 115-10-6

WEL, TWA: 766 mg/m³; 400 ppm

WEL, STEL: 958 mg/m³; 500 ppm

1-methoxy-2-propanol

Index No. 603-064-00-3 / EC No. 203-539-1 / CAS No. 107-98-2

WEL, TWA: 375 mg/m³; 100 ppm

WEL, STEL: 560 mg/m³; 150 ppm

Remark: (may be absorbed through the skin)

2-methoxy-1-methylethyl acetate

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Index No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

WEL, TWA: 274 mg/m³; 50 ppm

WEL, STEL: 548 mg/m³; 100 ppm

Remark: (may be absorbed through the skin)

Additional information

TWA : Long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

DNEL:

1-methoxy-2-propanol

Index No. 603-064-00-3 / EC No. 203-539-1 / CAS No. 107-98-2

DNEL long-term dermal (systemic), Workers: 50,6 mg/kg

DNEL acute inhalative (local), Workers: 553,5 mg/m³

DNEL long-term inhalative (systemic), Workers: 369 mg/m³

DNEL long-term oral (repeated), Consumer: 3,3 mg/kg

DNEL long-term dermal (systemic), Consumer: 18,1 mg/kg

DNEL long-term inhalative (systemic), Consumer: 43,9 mg/m³

2-methoxy-1-methylethyl acetate

Index No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

DNEL acute dermal, short-term (systemic), Workers: 153,5 mg/kg

DNEL long-term dermal (systemic), Workers: 796 mg/kg

DNEL acute inhalative (local), Workers: 550 mg/m³

DNEL long-term inhalative (systemic), Workers: 275 mg/m³

DNEL long-term oral (repeated), Consumer: 36 mg/kg

DNEL long-term dermal (systemic), Consumer: 320 mg/kg

DNEL acute inhalative (systemic), Consumer: 33 mg/m³

DNEL long-term inhalative (systemic), Consumer: 33 mg/m³

PNEC:

1-methoxy-2-propanol

Index No. 603-064-00-3 / EC No. 203-539-1 / CAS No. 107-98-2

PNEC aquatic, freshwater: 10 mg/L

PNEC aquatic, marine water: 1 mg/L

PNEC aquatic, intermittent release: 100 mg/L

PNEC sediment, freshwater: 41,6 mg/kg

PNEC sediment, marine water: 4,17 mg/kg

PNEC, soil: 2,47 mg/kg

PNEC sewage treatment plant (STP): 100 mg/L

2-methoxy-1-methylethyl acetate

Index No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

PNEC aquatic, freshwater: 0,635 mg/L

PNEC aquatic, marine water: 0,0635 mg/L

PNEC aquatic, intermittent release: 6,35 mg/L

PNEC sediment, freshwater: 3,29 mg/kg

PNEC sediment, marine water: 0,329 mg/kg

PNEC, soil: 0,29 mg/kg

PNEC sewage treatment plant (STP): 100 mg/L

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. Observe the wear time limits as specified by the manufacturer. Recommended respiratory protection articles: Inadequately ventilated workplaces and spraying procedures are necessary. Fresh air mask or short-time work combination filter A2-P2 are recommended.

Hand protection

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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 fibers (cotton) or heat resistant synthetic fibers.

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

Appearance:

Physical state: gaseous

Colour: white

Odour: characteristic

Odour threshold: No data available

pH at 20 °C: No data available

Melting point/freezing point: -142 °C
Source: Dimethyl ether

Initial boiling point and boiling range: -25 °C
Source: Dimethyl ether

Flash point: < 21 °C
Method: EN ISO 1523

Evaporation rate: No data available

flammability

Burning time: No data available

Upper/lower flammability or explosive limits:

Lower explosion limit: 1,5 Vol-%
Method: literature value
Source: 1-methoxy-2-propanol

Upper explosion limit: 24,4 Vol-%
Method: literature value
Source: Dimethyl ether

Vapour pressure at 20 °C: No data available

Vapour density: No data available

Relative density:

Density at 20 °C: No data available

Solubility(ies):

Water solubility at 20 °C: partially soluble

Partition coefficient: n-octanol/water: see section 12

Ignition temperature in °C: 240 °C
Source: Dimethyl ether

Decomposition temperature: No data available

Viscosity at °C: gasförmig

Explosive properties: No data available

Oxidising properties: No data available

9.2. Other information

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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

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

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

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

1-methoxy-2-propanol

oral, LD50, Rat: 2000 - 5000 mg/kg

dermal, LD50, Rabbit: > 2000 mg/kg

inhalative (vapours), LC50, Rat: 27,596 mg/L (6 h)

2-methoxy-1-methylethyl acetate

oral, LD50, Rat: > 5000 mg/kg

dermal, LD50, Rabbit: > 5000 mg/kg

inhalative (vapours), LC50, Rat: 35,7 mg/L (4 h)

inhalative (dust and mist), LC50, Rat: (4 h)

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

oral, LD50, Rat: > 10000 mg/kg

Method: OECD 401

Skin corrosion/irritation; Serious eye damage/eye irritation

1-methoxy-2-propanol

eyes, Rabbit

mild irritant.

Respiratory or skin sensitisation

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Skin, Mouse:

Method: OECD 429

May cause sensitization by skin contact.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

STOT-single exposure; STOT-repeated exposure

May cause drowsiness or dizziness.

1-methoxy-2-propanol

Specific target organ toxicity (single exposure), drowsiness

2-methoxy-1-methylethyl acetate

Specific target organ toxicity (single exposure), drowsiness

Aspiration hazard

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

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Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. 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 .

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

1-methoxy-2-propanol

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 100 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/L (48 h)

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1000 mg/L (72 h)

Bacteria toxicity, IC50: Activated sludge: 1000 mg/L (3 h)

Method: OECD 209

2-methoxy-1-methylethyl acetate

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 100 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna: 408 mg/L (48 h)

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1000 mg/L (72 h)

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Fish toxicity, LC50, Leuciscus idus (golden orfe): > 150 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/L (48 h)

Method: OECD 202

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 100 mg/L (72 h)

Method: OECD 201

Long-term Ecotoxicity

2-methoxy-1-methylethyl acetate

Fish toxicity, NOEC, Oryzias latipes: 47,5 mg/L (14 d)

Daphnia toxicity, NOEC: > 100 mg/L

Algae toxicity, NOEC, Pseudokirchneriella subcapitata: 1000 mg/L (72 h)

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/L (21 d)

Method: OECD 211

12.2. Persistence and degradability

1-methoxy-2-propanol

Biodegradation: 96 % (28 d); Evaluation Readily biodegradable (according to OECD criteria)

Method: OECD 301E

2-methoxy-1-methylethyl acetate

Biodegradation: 83 % (28 d); Evaluation Readily biodegradable (according to OECD criteria)

Method: OECD 301F

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Biodegradation:

Not readily biodegradable (according to OECD criteria)

12.3. Bioaccumulative potential

1-methoxy-2-propanol

Partition coefficient n-octanol /water (log P O/W):: 0,37

2-methoxy-1-methylethyl acetate

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Partition coefficient n-octanol /water (log P O/W):: 1,2
Method: OECD 117

Bioconcentration factor (BCF)

1-methoxy-2-propanol
Bioconcentration factor (BCF): < 100

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. 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

160504* Gases in pressure containers (including halons) containing hazardous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package Recommendation

Disposal according to official regulations

SECTION 14: Transport information

14.1. UN number

UN 1950

14.2. UN proper shipping name

Land transport (ADR/RID): Aerosols, flammable

Sea transport (IMDG): AEROSOLS

Air transport (ICAO-TI / IATA-DGR): Aerosols, flammable

14.3. Transport hazard class(es)

2.1

14.4. Packing group

No data available

14.5. Environmental hazards

Land transport (ADR/RID) No data available

Marine pollutant No data available

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 D/E

Sea transport (IMDG)

EmS-No. F-D,S-U

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU legislation

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Category: P3a FLAMMABLE AEROSOLS

Quantity 1: 150 t / Quantity 2: 500 t

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

| EC No. CAS No. | Designation | REACH No. |
|--------------------------|---|------------------|
| 204-065-8 115-10-6 | Dimethyl ether | 01-2119472128-37 |
| 203-539-1 107-98-2 | 1-methoxy-2-propanol | 01-2119457435-35 |
| 203-603-9 108-65-6 | 2-methoxy-1-methylethyl acetate | 01-2119475791-29 |
| 605-296-0 162627-17-0 | Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine | 01-2119970640-38 |

SECTION 16: Other information

Full text of classification in section 3:

| | | |
|-----------------------|-----------------------------------|---|
| compressed gas / H280 | Gases under pressure | Contains gas under pressure; may explode if heated. |
| Flam. Gas 1 / H220 | flammable gases | Extremely flammable gas. |
| Flam. Liq. 3 / H226 | Flammable liquids | Flammable liquid and vapour. |
| STOT SE 3 / H336 | STOT-single exposure | May cause drowsiness or dizziness. |
| Skin Sens. 1A / H317 | Respiratory or skin sensitisation | May cause an allergic skin reaction. |

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| | | |
|-----------|----------------------|------------------------|
| Aerosol 1 | Aerosol | On basis of test data. |
| Aerosol 1 | Aerosol | On basis of test data. |
| STOT SE 3 | STOT-single exposure | Calculation method. |

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 |

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| | |
|-------|--|
| PBT | persistent, bioaccumulative, toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| UN | United Nations |
| VOC | Volatile Organic Compounds |
| vPvB | very persistent and very bioaccumulative |

Data sources:

Data arise from reference works and literature.

Further information

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.