

SAFETY DATA SHEET

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

Revision date: 8 Sept 2025

Print date: 9 Sept 2025

Version: 1,05



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Arctic Seal 1K LF

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

1.1. Product identifier

Trade name/designation:

Arctic Seal 1K LF

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

Use of the substance/mixture:

Emergency sealing

1.3. Details of the supplier of the safety data sheet

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

Enke-Werk, Johannes Enke GmbH & Co. KG

Hamburger Str. 16

40221 Düsseldorf

Germany

Telephone: +49 211 304074

Telefax: +49 211 393718

E-mail: info@enke-werk.de

Website: www.enke-werk.de

E-mail (competent person): sdb@enke-werk.de

1.4. Emergency telephone number

24h: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

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 not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

Hazard statements: none

Supplemental hazard information	
EUH208	Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, trimethoxyvinylsilane, 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Precautionary statements: none

2.3. Other hazards

Other adverse effects:

The product hydrolyses quickly in the presence of water to: Polymers and methanol

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

Mixture of silane-terminated polyurethanes and fillers

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Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 2768-02-7 EC No.: 220-449-8 Index No.: 014-049-00-0 REACH No.: 01-2119513215-52	trimethoxyvinylsilane Acute Tox. 4 (H332), Flam. Liq. 3 (H226), Skin Sens. 1B (H317) Warning Acute Toxicity Estimate ATE (oral) 7,120 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 2,773 ppmV ATE (inhalation, vapour) 16.8 mg/L ATE (inhalation, dust/mist) 16.8 mg/L	0 - < 1 weight-%
CAS No.: 1760-24-3 EC No.: 217-164-6 REACH No.: 01-2119970215-39	N-(3-(trimethoxysilyl)propyl)ethylenediamine Eye Dam. 1 (H318), STOT SE 3 (H335), Skin Sens. 1B (H317) Danger Acute Toxicity Estimate ATE (oral) 2,995 mg/kg ATE (dermal) > 2,000 mg/kg	0 - < 1 weight-%
CAS No.: 68413-24-1 EC No.: 500-210-7 REACH No.: 01-2119982994-15-0000	Glycidyl ether of 3-alkyl phenol STOT RE 2 (H373), Skin Sens. 1 (H317) Warning	0 - ≤ 0.5 weight-%
CAS No.: 23432-65-7 EC No.: 457-690-5 REACH No.: 01-0000019371-74	[(Dimethoxymethylsilyl)methyl]carbamic acid methyl ester Repr. 2 (H361d, H361f) Warning	0 - < 0.5 weight-%
CAS No.: 107-98-2 EC No.: 203-539-1 Index No.: 603-064-00-3 REACH No.: 01-2119457435-35	1-methoxypropan-2-ol Flam. Liq. 3 (H226), STOT SE 3 (H336) Warning Acute Toxicity Estimate ATE (oral) 4,016 mg/kg ATE (dermal) 2,000 mg/kg ATE (inhalation, vapour) 6,000 - 7,000 mg/L	0 - ≤ 0.05 weight-%
CAS No.: 67-56-1 EC No.: 200-659-6 Index No.: 603-001-00-X REACH No.: 01-2119433307-44-XXXX	methanol Acute Tox. 3 (H331, H311, H301), Flam. Liq. 2 (H225), STOT SE 1 (H370**) Danger Specific concentration limit (SCL) STOT SE 1; H370: C ≥ 10% STOT SE 2; H371: 3% ≤ C < 10% Acute Toxicity Estimate ATE (oral) > 1,187 - 2,769 mg/kg ATE (dermal) 17,100 mg/kg ATE (inhalation, vapour) 3 mg/L ATE (inhalation, dust/mist) 0.5 mg/L	0 - < 0.005 weight-%
CAS No.: 127-19-5 EC No.: 204-826-4	N,N-dimethylacetamide (DMAC) Substance with a community workplace exposure limit. <i>Candidate List of Substances of Very High Concern for Authorisation!</i>	0 - ≤ 0.002 weight-%
CAS No.: 26530-20-1 EC No.: 247-761-7 Index No.: 613-112-00-5	2-octyl-2H-isothiazol-3-one Acute Tox. 2 (H330), Acute Tox. 3 (H311, H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1 (H314), Skin Sens. 1A (H317) Danger EUH071 M-factor (acute): 100 M-factor (chronic): 100 Specific concentration limit (SCL) Skin Sens. 1A; H317: C ≥ 0.0015% Acute Toxicity Estimate ATE (oral) 125 mg/kg ATE (dermal) 311 mg/kg ATE (inhalation, dust/mist) 0.27 mg/L	0 - ≤ 0.001 weight-%

Full text of H- and EUH-phrases: see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact:

Take off immediately all contaminated clothing and wash it before reuse.

After eye contact:

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

Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No known symptoms to date.

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

Treat symptomatically. Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings. Water mist, Powder, alcohol resistant foam, Carbon dioxide, Sand.

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire: Gases/vapours, toxic, Nitrogen oxides (NOx)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

Protective equipment:

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

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6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up:

Solvents/Thinner

6.4. Reference to other sections

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

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Special danger of slipping by leaking/spilling product.

Fire prevent measures:

The product hydrolyses quickly in the presence of water to: Polymers and Methanol. Vapours can form explosive mixtures with air. No special measures are necessary.

Measures to prevent aerosol and dust generation:

Provide adequate ventilation as well as local exhaustion at critical locations.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash hands and face before breaks and after work and take a shower if necessary.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Hints on storage assembly:

No special measures are necessary.

Storage class (TRGS 510, Germany): 10 - 13 - Other combustible and non-combustible substances

7.3. Specific end use(s)

Recommendation:

Emergency sealing

Industrial sector specific solutions:

SMP-based coating materials

GISCODE:

RSP20

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
SE	Talc (Mg₃H₂(SiO₃)₄) CAS No.: 14807-96-6 EC No.: 238-877-9	① 2 mg/m ³ ⑤ (totalt damm)
SE	Talc (Mg₃H₂(SiO₃)₄) CAS No.: 14807-96-6 EC No.: 238-877-9	① 1 mg/m ³ ⑤ (respirabel fraktion)
SE	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³ ⑤ (totalt damm)
SE	Carbon black, amorphous CAS No.: 1333-86-4 EC No.: 215-609-9	① 3 mg/m ³ ⑤ (carbon black included)
SE from 1 Jun 2016	1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	① 50 ppm (190 mg/m ³) ② 150 ppm (568 mg/m ³) ⑤ (kan absorberas genom huden)
IOELV (EU)	1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	① 100 ppm (375 mg/m ³) ② 150 ppm (568 mg/m ³) ⑤ (may be absorbed through the skin)
SE	trimethylolpropane CAS No.: 77-99-6 EC No.: 201-074-9	① 5 mg/m ³
SE	methanol CAS No.: 67-56-1 EC No.: 200-659-6	① 200 ppm (250 mg/m ³) ③ 250 ppm (350 mg/m ³) ⑤ (kan absorberas genom huden)
IOELV (EU)	methanol CAS No.: 67-56-1 EC No.: 200-659-6	① 200 ppm (260 mg/m ³) ⑤ (may be absorbed through the skin)
SE	N,N-dimethylacetamide (DMAC) CAS No.: 127-19-5 EC No.: 204-826-4	① 10 ppm (35 mg/m ³) ② 20 ppm (70 mg/m ³) ⑤ (kan absorberas genom huden)
BOELV (EU) from 5 Apr 2022	N,N-dimethylacetamide (DMAC) CAS No.: 127-19-5 EC No.: 204-826-4	① 10 ppm (36 mg/m ³) ② 20 ppm (72 mg/m ³) ⑤ (may be absorbed through the skin)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

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Skin protection:

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Our recommendation is as follows: Suitable materials for prolonged, direct contact (at least protection index 6, corresponding to > 480 minutes permeation time according to EN 374): Neoprene®, Viton®, PVC, butyl or nitrile rubber. Dispose of contaminated gloves. With proper, optimized operation, only short-term contact and liquid splashes are to be expected, therefore, according to DGUV Information 212-007, a glove with a minimum protection class of 1 (<10 min permeation time) is sufficient. It must be ensured that the gloves are changed at short notice in case of chemical contact.

Use of protective clothing. Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

The product hydrolyses quickly in the presence of water to: Polymers and methanol

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Form: viscous

Colour: various

Odour: Menthol

flammability: No

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	<i>not applicable</i>		② The substance is not soluble in water. Reacts with Water
Melting point	<i>No data available</i>		
Freezing point	<i>No data available</i>		
Initial boiling point and boiling range	<i>No data available</i>		
Flash point	132 °C		
Evaporation rate	<i>No data available</i>		
Auto-ignition temperature	<i>not applicable</i>		
Upper/lower flammability or explosive limits	<i>No data available</i>		
Vapour pressure	<i>No data available</i>		
Vapour density	<i>No data available</i>		
Density	1.27 g/cm ³	23 °C	
Bulk density	<i>not applicable</i>		
Water solubility	practically insoluble		
Dynamic viscosity	1,500,000 – 2,500,000 cP	20 °C	
Kinematic viscosity	<i>No data available</i>		

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9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Reacts with Water, Acid, alkalines
Formation of: methanol

10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic, methanol

SECTION 11: Toxicological information

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

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8
LD₅₀ oral: 7,120 mg/kg (Rat) OECD 401
LD₅₀ dermal: >2,000 mg/kg (Rabbit)
LC₅₀ Acute inhalation toxicity (gas): 2,773 ppmV 4 h (Rat) OECD 403
LC₅₀ Acute inhalation toxicity (vapour): 16.8 mg/L 4 h (Rat) OECD 403
LC₅₀ Acute inhalation toxicity (dust/mist): 16.8 mg/L 4 h (Rat)
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS No.: 1760-24-3 EC No.: 217-164-6
LD₅₀ oral: 2,995 mg/kg (Rat)
LD₅₀ dermal: >2,000 mg/kg (Rabbit)
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1
LD₅₀ oral: 4,016 mg/kg (Rat)
LD₅₀ dermal: 2,000 mg/kg (Rat)
LC₅₀ Acute inhalation toxicity (vapour): 6,000 - 7,000 mg/L 4 h (Mouse)
methanol CAS No.: 67-56-1 EC No.: 200-659-6
LD₅₀ oral: >1,187 - 2,769 mg/kg (Rat)
LD₅₀ dermal: 17,100 mg/kg (Rabbit)
2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7
ATE (oral)¹: 125 mg/kg
ATE (dermal)¹: 311 mg/kg
ATE (inhalation, dust/mist)¹: 0.27 mg/L

¹: Acute Toxicity Estimate. Harmonised (legal) classification.

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

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Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, trimethoxyvinylsilane, 2-octyl-2H-isothiazol-3-one.
May produce an allergic reaction.

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

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.

Additional information:

No data available

11.2. Information on other hazards

Endocrine disrupting properties:

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Other information:

The product hydrolyses quickly in the presence of water to: Polymers and methanol.
methanol: Symptoms/ delayed effects: Nausea, Vomiting, Headache, Dizziness, Impairment of vision. If swallowed there is a risk of blindness.

SECTION 12: Ecological information

12.1. Toxicity

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8
LC₅₀ : 191 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i>) OECD 203
EC₅₀ : 169 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) OECD 202
NOEC : 28 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD 211
EC₅₀ : >100 mg/L 3 d (Algae/water plant, <i>Selenastrum capricornutum</i>) OECD 201
NOEC : 25 mg/L 3 d (Algae/water plant, <i>Selenastrum capricornutum</i>)
EC₅₀ : >2,500 mg/L (Algae/water plant, activated sludge) OECD 209
LC₅₀ : 191 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i>)
NOEC : 28.1 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD 211
LOEC : 52.4 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD 211
LC₅₀ : 191 mg/L 4 d (fish, Regenbogenforelle (<i>Oncorhynchus mykiss</i>))
ErC₅₀ : >89 mg/L 3 d (Algae/water plant, <i>Alge Pseudokirchneriella subcapitata</i>)
LOEC : 52.4 mg/L 21 d (crustaceans, <i>Daphnia magna</i>)
ErC₅₀ : >89 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> (Grünalge))
ErC₅₀ : >957 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> (Grünalge)) OECD 201
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS No.: 1760-24-3 EC No.: 217-164-6
LC₅₀ : >100 mg/L (fish, <i>Lepomis macrochirus</i>)
EC₅₀ : 87.4 mg/L 2 d (crustaceans, <i>Daphnia magna</i>)
EC₅₀ : 8.8 mg/L 4 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>)
NOEC : 3.1 mg/L (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>)

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methanol CAS No.: 67-56-1 EC No.: 200-659-6

LC₅₀: 15,400 mg/L 4 d (fish, blauer Sonnenbarsch (Lepomis macrochirus))

EC₅₀: 12,700 mg/L 4 d (fish, blauer Sonnenbarsch (Lepomis macrochirus)) OECD 202

EC₅₀: 18,260 mg/L 4 d (crustaceans, Daphnia magna) OECD 201

ErC₅₀: 22,000 mg/L 4 d (Algae/water plant, Alge Pseudokirchneriella subcapitata) OECD 201

LC₅₀: 28,100 mg/L 4 d (fish, Pimephales promelas)

2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7

EC₅₀: 0.084 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201

EC₅₀: 0.42 mg/L 2 d (crustaceans, Daphnie) OECD 202

LC₅₀: 0.036 mg/L 4 d (fish, Regenbogenforelle) OECD 203

NOEC: 0.002 mg/L 21 d (crustaceans, Daphnie) OECD 211

NOEC: 0.022 mg/L 28 d (fish, Regenbogenforelle) OECD 210

NOEC: 0.004 mg/L 3 d (Algae/water plant, Alge) OECD 201

EC₅₀: 0.084 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201

LC₅₀: 0.036 mg/L 4 d (fish, Regenbogenforelle) OECD 203

Assessment/classification:

The product has not been tested.

12.2. Persistence and degradability

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8

Biodegradation: Yes, rapidly

Additional information:

The product has not been tested.

12.3. Bioaccumulative potential

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8

Log K_{OW}: 1.1

2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7

Log K_{OW}: 2.92

Accumulation / Evaluation:

The product has not been tested. The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

trimethoxyvinylsilane CAS No.: 2768-02-7 EC No.: 220-449-8

Results of PBT and vPvB assessment: —

N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS No.: 1760-24-3 EC No.: 217-164-6

Results of PBT and vPvB assessment: —

Glycidyl ether of 3-alkyl phenol CAS No.: 68413-24-1 EC No.: 500-210-7

Results of PBT and vPvB assessment: —

[(Dimethoxymethylsilyl)methyl]carbamic acid methyl ester CAS No.: 23432-65-7 EC No.: 457-690-5

Results of PBT and vPvB assessment: —

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1

Results of PBT and vPvB assessment: —

methanol CAS No.: 67-56-1 EC No.: 200-659-6

Results of PBT and vPvB assessment: —

N,N-dimethylacetamide (DMAC) CAS No.: 127-19-5 EC No.: 204-826-4

Results of PBT and vPvB assessment: —

2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7

Results of PBT and vPvB assessment: —

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The mixture contains $\geq 0.1\%$ substances meeting the vPvB and PBT criteria according to Regulation (EC) No 1907/2006, Annex XIII. See SECTION 3 in this safety data sheet.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Adhering to the official regulations, it can be disposed of in appropriate incinerator. Cured residual material can be disposed of with household waste .

Disposal of packaging:

Containers have to be emptied completely and free of drops after final product removal. Emptied packages can be returned to the partners of Kreislaufsystem Blechverpackungen Stahl (Recycling system for metal containers). Collection points are provided by the ENKE company as user of the mark.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
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Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

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SECTION 15: Regulatory information

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

15.1.1. EU legislation

Restrictions on use:

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Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Named dangerous substances:

- Methanol

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

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

Volatile organic compounds (VOC) content in percent by weight: < 0.3 weight-%

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC ₅₀	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC ₅₀	Lethal (fatal) Concentration 50%
LD ₅₀	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit

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TRGS Technische Regeln für Gefahrstoffe

UN United Nations

16.3. Key literature references and sources for data

No data available

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H370	Causes damage to organs.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The current version of this safety data sheet is available on our website www.enke-werk.de