

Safety data sheet

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

edelundstein⁺

FOR YOUR WALLS AND FLOORS

edelundstein filler wax

Status 08.2018

3.2 Additional notes

All ingredients of this mixture have been (pre-)registered according to the REACH regulation.

Wording of H- and EUH-phrases: see section 16.

SECTION 4. first aid measures

4.1 General information.

In all cases of doubt or if symptoms are present, seek medical advice. Never give anything by mouth to an unconscious person or if convulsions occur. If unconscious, place in recovery position and seek medical advice.

After inhalation: Remove affected person to fresh air and keep warm and quiet. In case of irritation of the respiratory tract, consult a doctor.

After skin contact: After contact with skin, wash immediately with plenty of soap and water. Change contaminated clothing immediately. Do not wash off with: Detergents, acidic Detergents, alkaline Solvents/thinners

After eye contact: Immediately rinse carefully and thoroughly with eye wash or water. Protect uninjured eye. In case of eye irritation, consult an ophthalmologist.

After ingestion: In all cases of doubt or if symptoms are present, seek medical advice. Rinse mouth thoroughly with water. Do NOT induce vomiting.

Self-protection of the first aider: Pay attention to self-protection!

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

There is no information available.

4.3 Indication of immediate medical attention or special treatment.

There is no information available.

SECTION 5. fire-fighting measures

5.1 Extinguishing media.

Suitable extinguishing agents

Water Alcohol-resistant foam ABC powder Carbon dioxide (CO₂) Water spray

Unsuitable extinguishing agents

Full water jet Sharp water jet

5.2 Special hazards arising from the substance or mixture.

Hazardous combustion products

Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters.

Use suitable breathing apparatus.

Special protective equipment for fire fighting

Wear self-contained breathing apparatus and chemical protective suit.

5.4 Additional notes.

Use water spray to protect persons and to cool containers in the danger zone. Do not allow extinguishing water to reach sewers and water bodies. Do not inhale explosion and fire gases. The product itself does not burn. Adapt extinguishing measures to the surroundings.

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SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures.

Wear personal protective equipment (see section 8). Ensure adequate ventilation. Move people to safety.

6.2 Environmental precautions. Do not allow to enter the ground/soil. Do not allow to enter drains or water courses.

Methods and material for containment and cleaning: Suitable material for containment: Universal binder

Other information: Clean up spills immediately.

6.3 Reference to other sections

SECTION 7. Handling and storage

7.1 Precautions for safe handling.

Do not eat, drink, smoke or snort at the workplace.

Protective measures

Unusable after freezing. Inhalation of vapours or mists/aerosols Skin contact, Eye contact, Wear personal protective equipment (see section 8). Always close containers tightly after removing product.

Do not inhale gas/fume/vapour/aerosol. Use only in well-ventilated areas. If local extraction is not possible or insufficient, the entire work area must be sufficiently technically ventilated.

7.2 Information on fire protection measures: The product is not flammable. Usual measures of preventive fire protection. **Fire class : B**

7.3 Conditions for safe storage, taking into account incompatibilities. Requirements to be met by storerooms and receptacles: Keep receptacles tightly closed. Keep/store only in the original container.

Information on storage in one place

Storage class (TRGS 510): 10

Recommended storage temperature: 5 - 25 °C

Further information on storage conditions: Keep locked up and out of reach of children. Keep container tightly closed and store in a cool, well-ventilated place.

Protect against: Frost

7.4 Specific end uses

Recommendation

Observe the technical data sheet. Follow the instructions for use.

SECTION 8. Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Occupational exposure limit values

Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2% aromatics; CAS No.: (64742-48-9)

Limit value type (country of origin): TRGS 900 (D)

Limit value: 600 mg/m³

Version:

8.2 Exposure controls and monitoring

Personal protective equipment

Eye/face protection

Normally no personal eye/face protection required. Eye/face protection is required for:

Splashes, contact with eyes, spraying method.

Suitable eye protection

Frame spectacles with side protection Basket spectacles

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Required properties

DIN EN 166

Skin protection

Normally no personal skin protection necessary. Skin protection is required for: Splashes, contact with skin, Spraying method.

Hand protection

Suitable glove type: gauntlet gloves

Suitable material: NBR (nitrile rubber), 0.4 mm, >8h; FKM (fluororubber), 0.7 mm, >8h;

Recommended glove brands: Manufacturer KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia
Or comparable makes from other companies.

Additional hand protection measures: Check for leaks/impermeability before use.

Note: Breakthrough times and swelling properties of the material must be taken into account.

The design of chemical protective gloves depends on the concentration of hazardous substances.

and quantity specific to the workplace. It is recommended to check the chemical resistance of the above mentioned protective gloves for specific applications with the glove manufacturer.

Body protection

Protective clothing.

Suitable body protection: chemical protective suit, chemical-resistant safety shoes

Required properties: Acid resistant. Alkali resistant.

Recommended body protection brands: DIN EN ISO 20345 DIN EN 13034 DIN EN 14404

Note: Creams are not a substitute for body protection.

Breathing protection

Normally no personal respiratory protection necessary. Respiratory protection is required in case of: insufficient ventilation; Aerosol or mist formation, high concentrations, spraying methods.

Suitable breathing apparatus

Combination filter unit (EN 14387) Half mask (DIN EN 140) ABEK-P1

Comment

Only use respirators with a CE mark including a four-digit test number. The wearing time limits according to GefStoffV in connection with the rules for the use of respiratory protective equipment (BGR 190) must be observed.

General protection and hygiene measures

Minimum standards for protective measures when handling working substances are listed in TRGS 500. Do not eat, drink, smoke or sniff at the workplace. Avoid contact with skin, eyes and clothing. Immediately remove soiled, saturated clothing. Wash soiled clothing before reuse. Wash hands before breaks and at the end of work. Use skin care products after work.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Appearance	Paste
Colour	white
Smell	of solvent

Safety-relevant basic data

Freezing point	(1013 hPa) not determined
Initial boiling point and boiling range	(1013 hPa) > 90 °C
Decomposition temperature	(1013 hPa) not determined
Ignition temperature	not determined
Flash point	> 100 °C closed cup
Continued combustibility	No UN Test L2: Sustained combustibility test
Explosion limit lower	not determined
Explosion limit upper	not determined
Vapour pressure	(50 °C) < 3000 hPa
Density (20o C)	approx. 0.9 g/cm ³ Pycnometer

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Solvent separation test	(20 °C) < 3 %.
Water solubility	(20°C) partially miscible
ph-value	approx. 10
log P O/W	not determined
Run-down time	(23°C) > 1000 s ISO cup 4 mm
Odour threshold	not determined
Evaporation rate	not determined
VOC-FR	A+

9.2 Other information.

none

SECTION 10. Stability and reactivity

10.1 Reactivity

There is no information available.

10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reactions occur if handled and stored as intended.

10.4 Conditions to avoid

No hazardous reactions occur if handled and stored as intended.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Does not decompose in the intended use.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter: LD50 (hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, < 2 % aromatics;

CAS No.: (64742-48-9)

Route of exposure: Oral

Effective dose: >5000 mg/kg

Specific symptoms in animal experiments

No data available

Irritation and corrosivity

Assessment/grading

Causes severe eye damage. Causes severe burns

CMR effects (carcinogenic, mutagenic and toxic for reproduction)

Carcinogenicity

No indication of carcinogenicity in humans

Germ cell mutagenicity

In vivo mutagenicity

Other information

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No experimental evidence of in vivo mutagenicity available.

Human toxicological data

Other information

No evidence of germ cell mutagenicity in humans available.

Reproductive toxicity

Experiences from the field/ with people

No evidence of reproductive toxicity in humans available.

Summary assessment of the CMR properties

The ingredients of this mixture do not meet the criteria for CMR categories 1A or 1B according to CLP.

SECTION 12. Environmental information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter: LC50 (Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, Cyclic compounds, < 2 % aromatics; CAS No.: (64742-48-9)

Species: Fish

Effective dose: >100mg/l

Chronic (long-term) fish toxicity

Parameter: NOEC (Hydrocarbons, C10-C13, n-alkanes, cyclic compounds, <2 % aromatics; CAS No.: (64742-48-9)

Species: Fish

Effective dose: >0.1 - 1 mg/l

Acute (short-term) daphnia toxicity

Parameter: EC50 (Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics; CAS No.: (64742-48-9)

Species: Daphnia

Effective dose: >100mg/l

Chronic (long-term) daphnia toxicity

Parameter: NOEC (Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics; CAS No.: (64742-48-9)

Species: Algae

Effective dose: >100 mg/l

Sediment toxicity

Toxicity to soil organisms

Acute earthworm toxicity

Chronic earthworm toxicity (reproduction)

Long-term toxicity for organisms living in the sediment

Behaviour in sewage treatment plants

Observe local drainage regulations

12.2 Persistence and degradability

No data available

Abiotic degradation

Abiotic degradation in water

Hydrolysis

Biodegradation

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of the PBT and vPvB assessment

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

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

Additional information

The product has not been tested.

SECTION 13. Disposal instructions

13.1 Waste treatment processes

Dispose of in accordance with official regulations.

Disposal of the product / packaging

Waste codes/waste designations according to EWC/AVV

Waste code Product

Waste code (91/689/EEC) : 07 01 99

Waste treatment solutions

29/35 - Do not discharge into drains; waste and containers must be disposed of in a safe manner.

Proper disposal / packaging

Contaminated packaging must be emptied completely and can be reused after appropriate cleaning. Packaging that cannot be cleaned must be disposed of.

13.2 Additional information

These key numbers have been assigned based on the most common uses of this material, which may disregard pollutant formation in actual use.

SECTION 14. Transport information

14.1 UN number

Not a dangerous good in the sense of these transport regulations.

14.2 UN proper shipping name

No dangerous goods within the meaning of these transport regulations

14.3 Transport hazard classes

Not a dangerous good in the sense of these transport regulations.

14.4 Packing group

No dangerous goods within the meaning of these transport regulations

14.5 Environmental hazards

No dangerous goods within the meaning of these transport regulations

14.6 Special precautions for the user

None

SECTION 15 Legislation

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

EU regulations

REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (clp)

Directive 2008/98/EC of the European Parliament and of the Council on waste (2000/532/EC) EN 2: 1992 (DIN EN 2:2005-01; fire classes)

Other EU rules

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. (DIRECTIVE 2000/39/EC, DIRECTIVE 2006/15/EC, DIRECTIVE 2009/161/EU)

National regulations

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The national legal regulations must also be observed ! TRGS 510

Water hazard class (WGK)

Class: 1 (slightly hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibitions

Ordinance on Industrial Safety and Health (Betr.SichV)

No flammable liquid according to BetrSichV.

VOCV Ordinance (CH)

Maximum VOC content (Switzerland): 21.1% by weight according to VOCV

15.2 Chemical safety assessment

There is no information available.

15.3 Additional information

SECTION 16. other information

16.1 Amendment notes

02. classification of the substance or mixture 02. labelling elements 08. occupational exposure limit values

16.2 Abbreviations and acronyms

None

16.3 Important literature references and data sources

None

16.4 Classification of mixtures and assessment methods used according to Regulation (EC)

No. 1272/2008 (CLP)

There is no information available.

16.5 Wording of H and EUH phrases (number and full text)

H304 May be fatal if swallowed and enters airways.

16.6 Training instructions

None

16.7 Additional information

None

The information in this safety data sheet is correct to the best of our knowledge at the time of printing.

The information is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. Insofar as the product is mixed, blended or processed with other materials or undergoes treatment, the information in this safety data sheet cannot be transferred to the new material thus produced, unless expressly stated otherwise.