

# Safety data sheet

according to Regulation (EC) No 1272/2008 (REACH)

edelundstein Farbvertiefer

Status 08.2018

edelundstein<sup>+</sup>

FOR YOUR WALLS AND FLOORS

## SECTION 1 Identification of the substance or mixture and of the company/undertaking

### 1.1 Product identifier

Designation Farbvertiefer

**1.2 Relevant identified uses of the substance or mixture and uses advised against** No other relevant information available

**Application of the substance / the mixture:** Application of the substance / the mixture Primer

### 1.3. details of the supplier providing the safety data sheet

Company name **edelundstein GmbH**  
Address **Einsteinstraße 12**  
Location and country **33104 Paderborn**  
**GERMANY**  
**Phone +49 5254 9330731**  
**fax +49 5254 9330733**

E-mail of the competent person, **info@edel-und-stein.com** who is responsible for the safety data sheet

### 1.4 Emergency number

For urgent information please contact; Technical Information: Dr. Felix Ferlemann

**+49 (0) 170 / 7362924**

Poison Emergency Call Berlin (24 hours) :

**+49 (0) 30 19 240**

## SECTION 2 Potential hazards

### 2.1 Classification of the substance or mixture.

Classification according to Regulation (EC) 1272/2008 (CPL)



**GHS02** Flame  
**H226** Flammable liquid and vapour.



**GHS08** Health hazard  
**H304** May be fatal if swallowed or if inhaled.



**GHS09** Environment  
**H400** Very toxic to aquatic organisms.  
**H410** Very toxic to aquatic organisms with long-term effects.



**GHS07** Skin Error. 2  
**H315** Causes skin irritation. STOT SE 3  
**H335** May cause respiratory irritation.  
**H315** Causes skin irritation.  
**H317** May cause allergic skin reactions.

### 2.2. labelling elements.

Labelling in accordance with Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP Regulation.

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**Hazard pictograms** Globally Harmonized System, EU (GHS): GHS02, GHS07, GHS08, GHS09 **Signal word:** Danger, Warning

## Hazard-determining component(s) for labelling:

Orange terpenes

Terpinolene

alpha-Terpinenes

## Danger warnings:

**H226** Flammable liquid and vapour.

**H315** Causes skin irritation.

**H317** May cause allergic skin reactions.

**H304** May be fatal if swallowed or if inhaled. **H410** Very toxic to aquatic organisms with long-term effects.

## Safety Instructions:

P101 If medical advice is required, have packaging or identification label ready.

P102 Keep out of the reach of children.

P103 Read identification label before use.

P301+P310 IF INGESTION: Call TOXIC INFORMATION CENTER/MEDICAL immediately.

P321 Special treatment (see on this identification label).

P331 DO NOT induce vomiting.

P303+P361+P353 IF IN CONTACT WITH SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.

P362+P364 Remove contaminated clothing and wash before reuse.

P405 Keep under lock and key.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations

## 2.3. other risks.

### Results of the PBT and vPvB assessment

### 3.1. mixtures.

#### Dangerous ingredients

Description: Mixture of the substances listed below with harmless admixtures. ·Gefährliche ingredients:


138-86-3 Orange terpenes

10-25%


#### Results of PBT and vPvB assessment PBT:

Not applicable vPvB: Not applicable


## SECTION 3 Composition/information on ingredients


 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin irritation. 2, H315; Skin Sens. 1, H317


 Aquatic Acute 1,

 H400; Aquatic Chronic 1, H410;

586-62-9 terpinolenes


 Asp. Tox. 1,

 H304; Aquatic Acute 1, H400; Aquatic Chronic 1,

 H410; Skin Sens. 1B, H317

10-25%

99-86-5 alpha-terpinenes

 Asp. Tox. 1,

 H304; Aquatic Chronic 2,  H411; Acute Tox. 4, H302

10-25%

**3.2 Additional notes:** The wording of the hazard statements listed can be found in section 16.

## SECTION 4 First aid measures

### 4.1 Description of first aid measures

General notes: Immediately remove any clothing soiled with product.

After inhalation:

EN-MSDS-10.1 Farbvertiefer

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Get plenty of fresh air and consult a doctor for safety reasons.

If unconscious, store and transport in a stable lateral position.

After skin contact: Wash immediately with soap and water and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes with running water.

After swallowing: If symptoms persist, consult a doctor.

**4.2 Main acute and delayed symptoms and effects** No other relevant information available.

**4.3 Indications of emergency medical attention or special treatment** No other relevant information available.

## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

Extinguishing media unsuitable for safety reasons: Water in full jet **5.2**

**Special hazards arising from the substance or mixture** No further relevant information available.

### 5.3 Instructions for fire fighting

Special protective equipment: No special measures required.

Collect the contaminated extinguishing water separately. Do not dispose of in the sewage pipe.

If possible within the scope of safety, remove the undamaged containers from the immediate danger zone.

### PERSONAL PROTECTIVE EQUIPMENT

Normal firefighting clothing, e.g. an open-circuit compressed air breathing apparatus (EN 137)

Firefighting kit (EN469), firefighting gloves (EN 659) and firefighting boots (HO A 29 or A30).

## SECTION 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Avoid dust formation, use personal protective clothing (see section 8), avoid contact with eyes and skin. **6.2 Environmental protection measures**

Prevent penetration into soil, pits, cellars, watercourses and sewage systems.

### 6.3 Methods and material for retention and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation.

### 6.4 Reference to other sections

See section 7 for information on safe handling.

For information on personal protective equipment, see section 8. For information on disposal, see section 13.

## SECTION 7 Handling and storage

**7.1 Protective measures for safe handling** Ensure good ventilation/exhaustion at the workplace.

Avoid aerosol formation.

Notes on fire and explosion protection:

Keep ignition sources away - do not smoke.

Take measures against electrostatic charge.

**7.2 Conditions for safe storage taking into account incompatibilities** Storage:

Requirements to be met by storerooms and containers: No special requirements.

Information on storage together: Not required.

Further information on storage conditions: Keep container tightly closed.

Storage class:

Classification according to the German Industrial Safety Regulation (BetrSichV): Flammable liquids

### 7.3 Specific end uses

No other relevant information available.

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## SECTION 8 Exposure controls/personal protection

### Additional information on the design of technical installations

- Washing facilities in the work area
- Provide eye shower or eye wash bottle

### 8.1 Parameters to be monitored

Components with limit values that require monitoring at the workplace:

138-86-3 Orange terpenes

MAK see section IIb

Additional notes: The lists valid during the creation were used as a basis.

### 8.2 Exposure controls and monitoring. General protection and hygiene measures

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

### HAND PROTECTION



Protect hands with category II gloves (see Directive 89/688/EEC and standard EN 374) made of PVC, neoprene, nitrile or equivalent. The following aspects must be taken into account for a definitive choice of material for the working gloves: wear, tear resistance and permeability. For self-manufactured gloves, the resistance of working gloves must be tested before use, as it is not predictable. The gloves have a certain wear time, which depends on the exposure.

### EYE PROTECTION/FACE PROTECTION



Normally no personal eye/face protection necessary. Eye/face protection required for: splashes, contact with eyes, spraying. Wear a visor hood or visor in combination with hermetic safety glasses (see standard EN 166).

### SKIN PROTECTION

Wear working clothes with long sleeves and category II accident prevention shoes (see Directive 89/686/EEC and standard EN 344). Wash yourself with soap and water after taking off the protective clothing.

### BATH PROTECTION

Normally no personal respiratory protection necessary. Respiratory protection is required in case of: insufficient ventilation aerosol or mist formation. high concentrations spraying process.

### Suitable breathing apparatus

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

### Comment

Only use breathing apparatus with CE mark including four-digit test number. The wearing time limits according to GefStoffV in conjunction with the rules for the use of respiratory protection devices (BGR 190) must be observed.

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical characteristics General

#### information: Appearance:

- Shape: Liquid
  - Color : According to product description
- Odour:** characteristic
- Odor threshold :** no data available
- pH value:** Not determined.

#### Change of state

**Melting point/freezing point:** Not determined.

**Boiling start and boiling range :** 154-170 °C

**Flash point :** 24-36 °C

**Flammability (solid, gaseous):** Not applicable.

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<b>Ignition temperature:</b>	220 °C
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	The product is not self-igniting.
<b>Explosive properties:</b>	The product is not explosive, but the formation of Explosive vapour/air mixtures possible.
<b>Explosion limits:</b>	
<b>Bottom:</b>	0,8 Vol %
<b>Upstairs:</b>	6 vol %
<b>Vapour pressure at 20 °C:</b>	5,4 hPa
<b>density at 20 °C:</b>	0,9 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not mixable or only slightly mixable.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20 °C:</b>	13 s (DIN 53211/4)
<b>VOC (EU)</b>	390,7 g/l

**9.2 Other information:** No other relevant information available

## SECTION 10 Stability and reactivity

### 10.1 Reactivity

No dangerous reactions if the regulations/instructions for storage and handling are observed.

### 10.2 Chemical stability

The product is stable if the regulations/instructions for storage and handling are observed.

### 10.3 Possibility of dangerous reactions

No dangerous reactions when stored and handled according to instructions.

### 10.4 Conditions to be avoided

Avoid humidity

### 10.5 Incompatible materials

Substances to be avoided: strong bases, strong acids, base metals

### 10.6. hazardous decomposition products

No dangerous decomposition products if the regulations/instructions for storage and handling are observed.

## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

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

irritant effect: Corrosive/irritant effect on the skin Causes skin irritation.

Severe eye damage/irritation Based on the available data, the classification criteria are not met.

Respiratory tract/skin sensitisation

May cause allergic skin reactions.

CMR effects (carcinogenic, mutagenic and toxic for reproduction) Germ cell mutagenicity Based on the available data, the classification criteria are not met.

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

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

Specific target organ toxicity at single exposure

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

Specific target organ toxicity on repeated exposure

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

Aspiration hazard

May be fatal if swallowed and if ingested.

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## SECTION 12 Environmental information

### 12.1 Toxicity

**Aquatic / fish toxicity** : No other relevant information available

**12.2 Persistence and degradability:** No other relevant information available

**12.3 Bioaccumulation potential:** No other relevant information available

**12.4 Mobility in soil:** No other relevant information available

#### Ecotoxic effects:

Remark: Very toxic to fish.

Further ecological information:

General notes:

Water hazard class 3 (self-assessment): very hazardous to water

Do not allow to enter ground water, water bodies or sewage system, even in small quantities. Danger to drinking water if even the smallest quantities leak into the ground.

In waters also toxic to fish and plankton. very toxic to aquatic organisms

### 12.5 Results of the PBT and vPvB assessment

**PBT:** Not applicable. **vPvB:** Not applicable.

### 12.6 Other adverse effects

No other relevant information available.

## SECTION 13. disposal instructions

### 13.1 Waste treatment procedures

Recommendation:

Must not be disposed of together with household waste. Do not discharge into drains.

#### European Waste Catalogue:

08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

20 01 27\* paints, inks, adhesives and resins containing dangerous substances

#### Uncleaned packaging:

**Recommendation:** The national and local legal regulations must be observed.

## SECTION 14. transport information

**14.1. UN number:** ADR, IMDG, IATA UN1263 **14.2. proper**

#### UN shipping name

ADR 1263 PAINT, ENVIRONMENTALLY HAZARDOUS

IMD G PAINT (DIPENTENE, TERPINOLENE, p-mentha-1,3-diene),

MARINE POLLUTANT

IATA PAINT

### 14.3. transport hazard classes:

ADR, IMDG



Class 3 Flammable liquids  
Danger label 3

IATA



Class 3 Flammable liquids

Danger label 3

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## 14.4. packing group:

ADR, IMDG, IATA III

## 14.5 Environmental hazards

The product contains environmentally hazardous substances:

Orange terpenes

Marine pollutant : Yes

Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

## 14.6 Special precautions for the user: Attention: Flammable liquids

Kemler number: 30

EMS number: F-E,S-E

Stowage Category A

## 14.7 Bulk transport in accordance with Annex II of

**MARPOL Convention and IBC Code** Not applicable

## Transport/other information:

ADR

Limited quantity (LQ ) 5L

Exempt quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer package: 1000 ml

Transport category 3

Tunnel restriction code D/E

IMDG 5L

Limited quantities (LQ ) Code: E1

Excepted quantities (EQ) Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation" : UN 1263 COLOUR, 3, III, ENVIRONMENTALLY HAZARDOUS

## SECTION 15 Legislation

### 15.1 Safety, health and environmental protection regulations / specific legal regulations for the substance or mixture

Directive 2012/18/EU

Dangerous substances listed by name - ANNEX I None of the ingredients are included.

Seveso category

E1 Hazardous to waters

P5c FLAMMABLE LIQUIDS

Threshold quantity (tonnes) for use in lower tier establishments 100 tonnes

Threshold quantity (tonnes) for use in upper tier establishments 200 tonnes

REGULATION (EC) No 1907/2006 ANNEX XVII Restriction conditions: 3 National rules:

Water hazard class: WGK 3 (self-assessment): highly hazardous to water.

**15.2 Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16 Other information

The information is based on the current state of our knowledge, but does not represent a guarantee of product properties and does not establish a contractual legal relationship.

### Relevant records

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed or if inhaled.

H315 Causes skin irritation.

H317 May cause allergic skin reactions.

H400 Very toxic to aquatic organisms.

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H410 Very toxic to aquatic organisms with long-term effects. H411  
Toxic to aquatic organisms, with long-term effects.

## Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU) PBT:

Persistent, Bioaccumulative and Toxic vPvB: very

Persistent and very Bioaccumulative Flam. Liq. 3:

Flammable liquids - category 3

Acute Tox. 4: Acute toxicity - Category 4

Skin irritation. 2: Skin irritating/corrosive effect - category 2

Skin Sens. 1: Sensitization of the skin - Category 1

Skin Sens. 1B: Sensitization of the skin - Category 1B

Asp. Tox. 1: Aspiration hazard - category 1

Aquatic Acute 1: Hazardous to waters - acutely hazardous to waters - Category 1

Aquatic Chronic 1: hazardous to waters - long-term hazardous to waters - category 1 Aquatic

Chronic 2: hazardous to waters - long-term hazardous to waters - category 2

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To the best of our knowledge, the information in this safety data sheet is correct at the time of printing. The information should  
To give you advice on safe handling of the product mentioned 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 is subjected to  
processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

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