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

## 1.1. Product identifier

Marabu easy marble 055, 15 ml MNA

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

## Use of the substance/preparation

Paint

## 1.3. Details of the supplier of the safety data sheet

### Address

Marabu GmbH & Co. KG
Asperger Strasse 4
71732 Tamm
Germany

| | |
|---|---|
| Telephone no. | +49-7141/691-0 |
| Fax no. | +49-7141/691-147 |
| Information provided by / telephone | Department product safety |
| E-mail address of person responsible for this SDS | PRSI@marabu.de |

## 1.4. Emergency telephone number

(+49) (0)621-60-43333

# SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Flam. Liq. 3 | H226 |
| STOT SE 3 | H336 |

## 2.2. Label elements

### Labelling according to regulation (EC) No 1272/2008

### Hazard pictograms

### Signal word

Warning

### Hazard statements

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| 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.
P271 Use only outdoors or in a well-ventilated area.
P405 Store locked up.
P501.9 Dispose of contents/container as problematic waste.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains 1-Methoxy-2-propanol;Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics;2-Methoxy-1-methylethyl acetate

### 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Chemical characterization**

Paint based on alkyd resins and on solvents

**Hazardous ingredients**

**1-Methoxy-2-propanol**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 107-98-2 | | | | |
| EINECS no. | 203-539-1 | | | | |
| Registration no. | 01-2119457435-35 | | | | |
| Concentration | >= | 25 | < | 50 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| STOT SE 3 | H336 |
| Flam. Liq. 3 | H226 |

**2-Methoxy-1-methylethyl acetate**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 108-65-6 | | | | |
| EINECS no. | 203-603-9 | | | | |
| Registration no. | 01-2119475791-29 | | | | |
| Concentration | >= | 10 | < | 20 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Flam. Liq. 3 | H226 |
| STOT SE 3 | H336 |

**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 64742-48-9 | | | | |
| EINECS no. | 265-150-3 | | | | |
| Registration no. | 01-2119463258-33 (LIST NUMBER 919-857-5) | | | | |
| Concentration | >= | 10 | < | 20 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Asp. Tox. 1 | H304 |
| Flam. Liq. 3 | H226 |
| STOT SE 3 | H336 |
| | EUH066 |

**2-Butoxyethyl acetate**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 112-07-2 | | | | |
| EINECS no. | 203-933-3 | | | | |
| Registration no. | 01-2119475112-47 | | | | |
| Concentration | >= | 1 | < | 10 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Acute Tox. 4 | H332 |
| Acute Tox. 4 | H312 |
| Acute Tox. 4 | H302 |

**2-Methoxypropanol**

| | | | | | |
|---|---|---|---|---|---|
| CAS No. | 1589-47-5 | | | | |
| EINECS no. | 216-455-5 | | | | |
| Concentration | >= | 0,1 | < | 0,3 | % |

Classification (Regulation (EC) No. 1272/2008)

| | |
|---|---|
| Skin Irrit. 2 | H315 |
| STOT SE 3 | H335 |
| Repr. 1B | H360D |
| Flam. Liq. 3 | H226 |
| Eye Dam. 1 | H318 |

# 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 attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

### After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

### After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Until now no symptoms known so far.

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

### Hints for the physician / treatment

Treat symptomatically

# SECTION 5: Firefighting measures

## 5.1. Extinguishing media

### Suitable extinguishing media

Recommended: alcohol resistant foam, CO2, powders, water spray/mist, Not be used for safety reasons: water jet

## 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2); dense black smoke; Nitrogen oxides (NOx)

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighting**

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

### 6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

### 6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of particulates and spray mist arising from the application of this mixture. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

**Advice on protection against fire and explosion**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

**Classification of fires / temperature class / Ignition group / Dust explosion class**

| | |
|---|---|
| Classification of fires | B (Combustible liquid substances) |
| Temperature class | T4 |

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

**Requirements for storage rooms and vessels**

Electrical installations/working materials must comply with the local applied technological safety standards. Storage rooms in which filling operations take place must have a conducting floor. Store in accordance with national regulation

**Hints on storage assembly**

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

**Further information on storage conditions**

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3. Specific end use(s)

Paint

## SECTION 8: Exposure controls/personal protection ***

### 8.1. Control parameters

#### Derived No/Minimal Effect Levels (DNEL/DMEL) ***

**2-Methoxy-1-methylethyl acetate**

| | | |
|---|---|---|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 796 | mg/kg/d |

| | | |
|---|---|---|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 275 | mg/m³ |

| | | |
|---|---|---|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 320 | mg/kg/d |

| | | |
|---|---|---|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 33 | mg/m³ |

| | | |
|---|---|---|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Local effects | |
| Concentration | 33 | mg/m³ |

| | | |
|---|---|---|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Long term | |
| Route of exposure | oral | |
| Mode of action | Systemic effects | |
| Concentration | 36 | mg/kg/d |

| | | |
|---|---|---|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |

| | | |
|---|---|---|
| Duration of exposure | Lifetime | |
| Route of exposure | inhalative | |
| Mode of action | Local effects | |
| Concentration | 550 | mg/m³ |

**2-Butoxyethyl acetate**

| | | |
|---|---|---|
| Reference substance | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 133 | mg/m³ |

| | | |
|---|---|---|
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Short term | |
| Route of exposure | inhalative | |
| Mode of action | Local effects | |
| Concentration | 333 | mg/m³ |

| | | |
|---|---|---|
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 169 | mg/kg/d |

| | | |
|---|---|---|
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Short term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 120 | mg/kg/d |

| | | |
|---|---|---|
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | General Population | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 80 | mg/m³ |

| | | |
|---|---|---|
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | General Population | |
| Duration of exposure | Short term | |
| Route of exposure | inhalative | |
| Mode of action | Local effects | |
| Concentration | 200 | mg/m³ |

| | | |
|---|---|---|
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | General Population | |

| | | |
|---|---|---|
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 102 | mg/kg/d |
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | General Population | |
| Duration of exposure | Short term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 72 | mg/kg/d |
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | General Population | |
| Duration of exposure | Long term | |
| Route of exposure | oral | |
| Mode of action | Systemic effects | |
| Concentration | 8,6 | mg/kg/d |
| | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | General Population | |
| Duration of exposure | Short term | |
| Route of exposure | oral | |
| Mode of action | Systemic effects | |
| Concentration | 36 | mg/kg/d |
| **1-Methoxy-2-propanol** | | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Acute | |
| Route of exposure | inhalative | |
| Mode of action | Local effects | |
| Concentration | 553,5 | mg/m³ |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 50,6 | mg/person/d |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 369 | mg/m³ |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | General Population | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |

| | | |
|---|---|---|
| Concentration | 18,1 | mg/kg |

| | |
|---|---|
| Type of value | Derived No Effect Level (DNEL) |
| Reference group | General Population |
| Duration of exposure | Long term |
| Route of exposure | inhalative |
| Mode of action | Systemic effects |

| | | |
|---|---|---|
| Concentration | 43,9 | mg/m³ |

| | |
|---|---|
| Type of value | Derived No Effect Level (DNEL) |
| Reference group | General Population |
| Duration of exposure | Long term |
| Route of exposure | oral |
| Mode of action | Systemic effects |

| | | |
|---|---|---|
| Concentration | 3,3 | mg/kg/d |

**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

| | |
|---|---|
| Type of value | Derived No Effect Level (DNEL) |
| Reference group | Worker |
| Duration of exposure | Long term |
| Route of exposure | dermal |
| Mode of action | Systemic effects |

| | | |
|---|---|---|
| Concentration | 300 | mg/kg |

| | |
|---|---|
| Type of value | Derived No Effect Level (DNEL) |
| Reference group | Consumer |
| Duration of exposure | Long term |
| Route of exposure | oral |
| Mode of action | Systemic effects |

| | | |
|---|---|---|
| Concentration | 300 | mg/kg |

| | |
|---|---|
| Type of value | Derived No Effect Level (DNEL) |
| Reference group | Consumer |
| Duration of exposure | Long term |
| Route of exposure | dermal |
| Mode of action | Systemic effects |

| | | |
|---|---|---|
| Concentration | 300 | mg/kg |

| | |
|---|---|
| Type of value | Derived No Effect Level (DNEL) |
| Reference group | Consumer |
| Duration of exposure | Long term |
| Route of exposure | inhalative |
| Mode of action | Systemic effects |

| | | |
|---|---|---|
| Concentration | 900 | mg/m³ |

| | |
|---|---|
| Type of value | Derived No Effect Level (DNEL) |
| Reference group | Worker |
| Duration of exposure | Long term |
| Route of exposure | inhalative |
| Mode of action | Systemic effects |

| | | |
|---|---|---|
| Concentration | 1500 | mg/m³ |

## Predicted No Effect Concentration (PNEC)

**2-Methoxy-1-methylethyl acetate**

| | |
|---|---|
| Reference substance | 2-Methoxy-1-methylethyl acetate |
| Type of value | PNEC |
| Type | Freshwater |

| | | |
|---|---|---|
| Concentration | 0,635 | mg/l |
| Type of value | PNEC | |
| Type | Freshwater sediment | |
| Concentration | 3,29 | mg/kg |
| Type of value | PNEC | |
| Type | Soil | |
| Concentration | 0,29 | mg/kg |
| Source | Literature value | |
| Type of value | PNEC | |
| Type | Sewage treatment plant (STP) | |
| Concentration | 100 | mg/l |
| Source | Literature value | |
| Type of value | PNEC | |
| Type | Marine sediment | |
| Concentration | 0,329 | mg/kg |
| Source | Literature value | |
| Type of value | PNEC | |
| Type | Saltwater | |
| Concentration | 0,0635 | mg/l |

**2-Butoxyethyl acetate**

| | | |
|---|---|---|
| Reference substance | 2-Butoxyethyl acetate | |
| Type of value | PNEC | |
| Type | Water | |
| Concentration | 0,304 | mg/l |
| Source | Literature value | |
| | 2-Butoxyethyl acetate | |
| Type of value | PNEC | |
| Type | Aquatic | |
| Concentration | 0,0304 | g/l |
| Source | Literature value | |
| | 2-Butoxyethyl acetate | |
| Type of value | PNEC | |
| Type | Sediment | |
| Concentration | 2,03 | mg/kg |
| Source | Literature value | |
| | 2-Butoxyethyl acetate | |
| Type of value | PNEC | |
| Type | Marine sediment | |
| Concentration | 0,203 | mg/kg |
| Source | Literature value | |
| | 2-Butoxyethyl acetate | |
| Type of value | PNEC | |
| Type | Soil | |
| Concentration | 0,68 | mg/kg |
| Source | Literature value | |

**1-Methoxy-2-propanol**

| | | |
|---|---|---|
| Type of value | PNEC | |
| Type | Freshwater | |
| Concentration | 10 | mg/l |
| Type of value | PNEC | |
| Type | Water | |
| Concentration | 41,6 | mg/kg |
| Type of value | PNEC | |
| Type | Sediment | |
| Concentration | 41,6 | mg/kg |
| Type of value | PNEC | |
| Type | Marine sediment | |
| Concentration | 4,17 | mg/kg |
| Type of value | PNEC | |
| Type | Soil | |
| Concentration | 2,47 | mg/kg |
| Type of value | PNEC | |
| Type | Sewage treatment plant (STP) | |
| Concentration | 100 | mg/l |

### 8.2. Exposure controls

**Exposure controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**Respiratory protection**

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Full mask, filter A

**Hand protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.
For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

| | | | |
|---|---|---|---|
| Material thickness | > | 0,5 | mm |
| Breakthrough time | < | 30 | min |

The breakthrough time must be greater than the end use time of the product.
The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.
Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Always ensure that gloves are free from defects and that they are stored and used correctly.
The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

**Eye protection**

Use safety eyewear designed to protect against splash of liquids.

**Body protection**

Cotton or cotton/synthetic overalls or coveralls are normally suitable.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

| | | | | | |
|---|---|---|---|---|---|
| **Form** | liquid | | | | |
| **Colour** | coloured | | | | |
| **Odour** | solvent-like | | | | |
| **Odour threshold** | | | | | |
| Remarks | No data available | | | | |
| **pH value** | | | | | |
| Remarks | Not applicable | | | | |
| **Melting point** | | | | | |
| Remarks | not determined | | | | |
| **Freezing point** | | | | | |
| Remarks | not determined | | | | |
| **Initial boiling point and boiling range** | | | | | |
| Value | appr. | 120 | | | °C |
| Pressure | | 1.013 | hPa | | |
| Source | Literature value | | | | |
| **Flash point** | | | | | |
| Value | | 30 | | | °C |
| Method | ASTM D 6450 (CCCFP) | | | | |
| **Evaporation rate (ether = 1) :** | | | | | |
| Remarks | not determined | | | | |
| **Flammability (solid, gas)** | | | | | |
| Not applicable | | | | | |
| **Upper/lower flammability or explosive limits** | | | | | |
| Lower explosion limit | appr. | 0,7 | | | %(V) |
| Upper explosion limit | appr. | 13,7 | | | %(V) |
| Source | Literature value | | | | |
| **Vapour pressure** | | | | | |
| Value | | 8 | | | hPa |
| Temperature | | 20 | °C | | |
| Method | calculated | | | | |
| **Vapour density** | | | | | |
| Remarks | not determined | | | | |
| **Density** | | | | | |
| Value | | 0,96 | | | g/cm³ |
| Temperature | | 20 | °C | | |
| Method | DIN EN ISO 2811 | | | | |
| **Solubility in water** | | | | | |
| Remarks | partially miscible | | | | |
| **Partition coefficient: n-octanol/water** | | | | | |
| Remarks | Not applicable | | | | |
| **Ignition temperature** | | | | | |
| Value | appr. | 200 | | | °C |
| Source | Literature value | | | | |
| **Viscosity** | | | | | |
| **dynamic** | | | | | |
| Value | | 30 | to | 50 | mPa.s |
| Temperature | | 40 | °C | | |

**Efflux time**

| | | | | |
|---|---|---|---|---|
| Value | 25 | to | 70 | s |
| Temperature | 20 | °C | | |
| Method | DIN 53211 4 mm | | | |

**Explosive properties**

evaluation: no

**Oxidising properties**

evaluation: None known

### 9.2. Other information

**Other information**

The physical specifications are approximate values and refer to the used safety relevant component(s).

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

### 10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute oral toxicity (Components)**

**1-Methoxy-2-propanol**

| | | |
|---|---|---|
| Species | rat | |
| LD50 | 5200 | mg/kg |

**Acute dermal toxicity (Components)**

**1-Methoxy-2-propanol**

| | | |
|---|---|---|
| Species | rabbit | |
| LD50 | 14000 | mg/kg |

**Acute inhalational toxicity**

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

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

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

**Sensitization**

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

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

**Reproductive toxicity**
Remarks Based on available data, the classification criteria are not met.

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

**Specific Target Organ Toxicity (STOT)**

**Single exposure**
Remarks The classification criteria are met.
evaluation May cause drowsiness or dizziness.

**Repeated exposure**
Remarks Based on available data, the classification criteria are not met.

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

**Experience in practice**
Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**Other information**
There are no data available on the mixture itself.
The mixture has been assessed following the additivity method of the GHS/CLP Regulation (EC) No 1272/2008.

## SECTION 12: Ecological information

### 12.1. Toxicity

**General information**
There are no data available on the mixture itself.Do not allow to enter drains or water courses.The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

**Fish toxicity (Components)**

**1-Methoxy-2-propanol**

| | | | | |
|---|---|---|---|---|
| Species | golden orfe (Leuciscus idus) | | | |
| LC0 | > | 4600 | | mg/l |
| Duration of exposure | | 96 | h | |

**Daphnia toxicity (Components)**

**1-Methoxy-2-propanol**

| | | | |
|---|---|---|---|
| Species | Daphnia magna | | |
| EC50 | | 23300 | mg/l |
| Duration of exposure | | 48 | h |

**Algae toxicity (Components)**

**1-Methoxy-2-propanol**
Species Desmodesmus

| | | | |
|---|---|---|---|
| EC50 | > | 1000 | mg/l |
| Duration of exposure | | 168 h | |

**Bacteria toxicity (Components)**

**1-Methoxy-2-propanol**

| | | | |
|---|---|---|---|
| Species | activated sludge | | |
| EC50 | > | 1000 | mg/l |

## 12.2. Persistence and degradability

**General information**

No data available

**Biodegradability (Components)**

**1-Methoxy-2-propanol**

| | | | |
|---|---|---|---|
| Value | | 90 | % |
| Duration of test | | 28 d | |
| evaluation | Readily biodegradable (according to OECD criteria) | | |
| Method | OECD 301 F | | |

## 12.3. Bioaccumulative potential

**General information**

There are no data available on the mixture itself.

**Partition coefficient: n-octanol/water**

Remarks Not applicable

## 12.4. Mobility in soil

**General information**

There are no data available on the mixture itself.

## 12.5. Results of PBT and vPvB assessment

**General information**

There are no data available on the mixture itself.

## 12.6. Other adverse effects

**General information**

There are no data available on the mixture itself.

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

**Disposal recommendations for the product**

Do not allow to enter drains or water courses.
Wastes and emptied containers should be classified in accordance with relevant national regulation.
The European Waste Catalogue classification of this product, when disposed of as waste is

| | | |
|---|---|---|
| EWC waste code | 08 01 11* | waste paint and varnish containing organic solvents or other dangerous substances |

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.
For further information contact your local waste authority.

**Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.
Empty containers must be scrapped or reconditioned.
Not emptied containers are hazardous waste (waste code number 150110).

## SECTION 14: Transport information

### Land transport ADR/RID

**14.1. UN number**
UN 1263
**14.2. UN proper shipping name**
PAINT
**14.3. Transport hazard class(es)**

| | |
|---|---|
| Class | 3 |
| Label | 3 |

**14.4. Packing group**

| | |
|---|---|
| Packing group | III |
| Special provision | 640E |
| Limited Quantity | 5 l |
| Transport category | 3 |

**14.5. Environmental hazards**
-

| | |
|---|---|
| Tunnel restriction code | D/E |

### Marine transport IMDG/GGVSee

**14.1. UN number**
UN 1263
**14.2. UN proper shipping name**
PAINT
**14.3. Transport hazard class(es)**

| | |
|---|---|
| Class | 3 |

**14.4. Packing group**

| | |
|---|---|
| Packing group | III |

**14.5. Environmental hazards**
no

### Air transport ICAO/IATA

**14.1. UN number**
UN 1263
**14.2. UN proper shipping name**
PAINT
**14.3. Transport hazard class(es)**

| | |
|---|---|
| Class | 3 |

**14.4. Packing group**

| | |
|---|---|
| Packing group | III |

**14.5. Environmental hazards**
-

### Information for all modes of transport

**14.6. Special precautions for user**
Transport within the user's premises:
Always transport in closed containers that are upright and secure.
Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Other information

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**
no

## SECTION 15: Regulatory information ***

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

### Other information ***

The product does not contain substances of very high concern (SVHC).

### Other information

All components are contained in the AICS inventory.
All components are contained in the TSCA inventory or exempted.
All components are contained in the DSL or NDSL inventory.

## 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

# SECTION 16: Other information

### Hazard statements listed in Chapter 3

| | |
|---|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H360D | May damage the unborn child. |

### CLP categories listed in Chapter 3

| | |
|---|---|
| Acute Tox. 4 | Acute toxicity, Category 4 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Flam. Liq. 3 | Flammable liquid, Category 3 |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, Category 3 |

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.
The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.
It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.
As the specific conditions of use of the product are outside the supplier’s control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
The information contained in this safety data sheet does not constitute the user’s own assessment of workplace risks, as required by other health and safety legislation.