

MSDS for #63412 - MARABU EASY MARBLE

~~Safety data sheet in accordance with regulation (EC) No 1907/2006~~

Trade name: Marabu easy marble 517, 15 ml MNA

Version: 1 / GB

Date revised: 17.10.2019

Substance number: 13059039517

Replaces Version: - / GB

Print date: 19.03.20

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

1.1. Product identifier

Marabu easy marble 517, 15 ml MNA

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

Use of the substance/preparation

Paint

Identified Uses

SU21

Consumer uses: Private households (= general public = consumers)

PC9a

Coatings and paints, thinners, paint removers

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Marabu GmbH & Co. KG

Asperger Strasse 4

71732 Tamm

Germany

Telephone no.

+49-7141/691-0

Fax no.

+49-7141/691-147

Information provided

Department product safety

by / telephone

E-mail address of

PRSI@marabu.com

person responsible

for this SDS

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



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

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



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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



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5.2. Special hazards arising from the substance or mixture

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

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



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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

Exposure limit values

2-Methoxy-1-methylethyl acetate

| | | | | | |
|---|------|-------------------|-----|--------|--|
| List | EH40 | | | | |
| Type | WEL | | | | |
| Value | 274 | mg/m ³ | 50 | ppm(V) | |
| Short term exposure limit | 548 | mg/m ³ | 100 | ppm(V) | |
| Skin resorption / sensibilisation: Sk; Status: 2011 | | | | | |

1-Methoxy-2-propanol

| | | | | | |
|---|------|-------------------|-----|--------|--|
| List | EH40 | | | | |
| Type | WEL | | | | |
| Value | 375 | mg/m ³ | 100 | ppm(V) | |
| Short term exposure limit | 560 | mg/m ³ | 150 | ppm(V) | |
| Skin resorption / sensibilisation: Sk; Status: 2011 | | | | | |

2-Butoxyethyl acetate

| | | | | | |
|---|------|--|----|--------|--|
| List | EH40 | | | | |
| Type | WEL | | | | |
| Value | 133 | | 20 | ppm(V) | |
| Short term exposure limit | 332 | | 50 | ppm(V) | |
| Skin resorption / sensibilisation: Sk; Status: 2011 | | | | | |

Derived No/Minimal Effect Levels (DNEL/DMEL)

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 | |



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| | | |
|----------------------|--------------------------------|-------------------|
| 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/m ³ |

| | | |
|----------------------|--------------------------------|-------------------|
| 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/m ³ |

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/m ³ |

| | | |
|----------------------|--------------------------------|---------|
| 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/m ³ |

| | | |
|----------------------|--------------------------------|-------------------|
| 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/m ³ |

| | | |
|----------------------|--------------------------------|---------|
| 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 |



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| | | |
|----------------------------------|--------------------------------|-------------------|
| 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/m ³ |
| 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/m ³ |
| 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/m ³ |
| 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/m ³ |
| 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 |
| 2-Butoxyethyl acetate | | |
| Reference substance | 2-Butoxyethyl acetate | |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |



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| | | |
|----------------------|--------------------------------|-------------------|
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 133 | mg/m ³ |
| Type of value | 2-Butoxyethyl acetate | |
| Reference group | Derived No Effect Level (DNEL) | |
| Duration of exposure | Worker | |
| Route of exposure | Short term | |
| Mode of action | inhalative | |
| Concentration | Local effects | |
| | 333 | mg/m ³ |
| Type of value | 2-Butoxyethyl acetate | |
| Reference group | Derived No Effect Level (DNEL) | |
| Duration of exposure | Worker | |
| Route of exposure | Long term | |
| Mode of action | dermal | |
| Concentration | Systemic effects | |
| | 169 | mg/kg/d |
| Type of value | 2-Butoxyethyl acetate | |
| Reference group | Derived No Effect Level (DNEL) | |
| Duration of exposure | Worker | |
| Route of exposure | Short term | |
| Mode of action | dermal | |
| Concentration | Systemic effects | |
| | 120 | mg/kg/d |
| Type of value | 2-Butoxyethyl acetate | |
| Reference group | Derived No Effect Level (DNEL) | |
| Duration of exposure | General Population | |
| Route of exposure | Long term | |
| Mode of action | inhalative | |
| Concentration | Systemic effects | |
| | 80 | mg/m ³ |
| Type of value | 2-Butoxyethyl acetate | |
| Reference group | Derived No Effect Level (DNEL) | |
| Duration of exposure | General Population | |
| Route of exposure | Short term | |
| Mode of action | inhalative | |
| Concentration | Local effects | |
| | 200 | mg/m ³ |
| Type of value | 2-Butoxyethyl acetate | |
| Reference group | Derived No Effect Level (DNEL) | |
| Duration of exposure | General Population | |
| Route of exposure | Long term | |
| Mode of action | dermal | |
| Concentration | Systemic effects | |
| | 102 | mg/kg/d |
| Type of value | 2-Butoxyethyl acetate | |
| Reference group | Derived No Effect Level (DNEL) | |
| Duration of exposure | General Population | |
| Route of exposure | Short term | |
| Mode of action | dermal | |
| | Systemic effects | |



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| | | |
|----------------------|---|---------|
| Concentration | 72 | mg/kg/d |
| Type of value | 2-Butoxyethyl acetate 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 |
| Type of value | 2-Butoxyethyl acetate 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 |

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 |

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 |



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| | | | |
|---------------|------------------------------|-------|--|
| 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 | |

2-Butoxyethyl acetate

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

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



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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 | |



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| | | | | |
|-------------|------------|----|--|-----|
| Value | 8 | | | hPa |
| Temperature | 20 | °C | | |
| Method | calculated | | | |

Vapour density

Remarks not determined

Density

| | | | | |
|-------------|-----------------|----|--|-------------------|
| Value | 1,08 | | | g/cm ³ |
| 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).



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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 CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.



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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 evaluation | 28 d | |
| Method | Readily biodegradable (according to OECD criteria) 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.



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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 | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|---|---|--|---|
| Tunnel restriction code | D/E | | |
| 14.1. UN number | 1263 | 1263 | 1263 |
| 14.2. UN proper shipping name | PAINT | PAINT | PAINT |
| 14.3. Transport hazard class(es) | 3 | 3 | 3 |
| Label |  |  |  |
| 14.4. Packing group | III | III | III |
| Special provision | 640E | | |
| Limited Quantity | 5 I | | |
| Transport category | 3 | | |
| 14.5. Environmental hazards | - | no | - |

Information for all modes of transport



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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

Major-accident categories acc. 96/82/EC

| | | | | | | |
|----------|---|-----------|-----------|----|------------|----|
| Category | 6 | Flammable | 5.000.000 | kg | 50.000.000 | kg |
|----------|---|-----------|-----------|----|------------|----|

VOC

| | | | | |
|----------|-------|-----|--|--|
| VOC (EU) | 75,33 | % | | |
| VOC (EU) | 813,6 | g/l | | |

Other information

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

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



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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.