

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 &amp; 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 (CO<sub>2</sub>); Carbon monoxide (CO); dense black smoke; Nitrogen oxides (NO<sub>x</sub>)

## 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 <sup>3</sup>	50	ppm(V)	
Short term exposure limit	548	mg/m <sup>3</sup>	100	ppm(V)	
Skin resorption / sensibilisation: Sk; Status: 2011					

**1-Methoxy-2-propanol**

List	EH40				
Type	WEL				
Value	375	mg/m <sup>3</sup>	100	ppm(V)	
Short term exposure limit	560	mg/m <sup>3</sup>	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 <sup>3</sup>

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 <sup>3</sup>

**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 <sup>3</sup>

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 <sup>3</sup>

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 <sup>3</sup>

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 <sup>3</sup>
<b>1-Methoxy-2-propanol</b>		
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 <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>
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
<b>2-Butoxyethyl acetate</b>		
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 <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>
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

<b>Form</b>	Liquid
<b>Colour</b>	coloured
<b>Odour</b>	solvent-like
<b>Odour threshold</b>	
Remarks	No data available
<b>pH value</b>	
Remarks	Not applicable
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	
Remarks	not determined
<b>Initial boiling point and boiling range</b>	
Value	appr. 120 °C
Pressure	1.013 hPa
Source	Literature value
<b>Flash point</b>	
Value	30 °C
Method	ASTM D 6450 (CCCFP)
<b>Evaporation rate (ether = 1) :</b>	
Remarks	not determined
<b>Flammability (solid, gas)</b>	
Not applicable	
<b>Upper/lower flammability or explosive limits</b>	
Lower explosion limit	appr. 0,7 %(V)
Upper explosion limit	appr. 13,7 %(V)
Source	Literature value
<b>Vapour pressure</b>	



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Value 8 hPa  
Temperature 20 °C  
Method calculated

**Vapour density**

Remarks not determined

**Density**

Value 1,08 g/cm<sup>3</sup>  
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		
<b>14.1. UN number</b>	1263	1263	1263
<b>14.2. UN proper shipping name</b>	PAINT	PAINT	PAINT
<b>14.3. Transport hazard class(es)</b>	3	3	3
Label			
<b>14.4. Packing group</b>	III	III	III
Special provision	640E		
Limited Quantity	5 I		
Transport category	3		
<b>14.5. Environmental hazards</b>	-	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
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##### 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.