



Trade name: Marabu-Glas 081, 50 ml

Version: 5 / GB

Date revised: 17.12.2015

Substance number: 130605081

Replaces Version: 4 / GB

Print date: 18.12.15

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

### **1.1. Product identifier**

Marabu-Glas 081, 50 ml

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

#### **Use of the substance/preparation**

Paint

#### **Identified Uses**

SU3

Industrial uses: Uses of substances as such or in preparations at industrial sites

PC9a

Coatings and paints, thinners, paint removers

### **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 Department product safety

by / telephone

E-mail address of PRSI@marabu.de

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**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

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

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

EUH208 Contains A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1), 1,2-Benzisothiazol-3(2h)-one, May produce an allergic reaction.

#### **Supplemental information**

EUH205

Contains epoxy constituents. May produce an allergic reaction.

### **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 acrylic resins and on water



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### Hazardous ingredients

#### 3-Butoxypropan-2-ol

CAS No.	5131-66-8				
EINECS no.	225-878-4				
Concentration	>=	1	<	10	%

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

Skin Irrit. 2	H315
Eye Irrit. 2	H319

#### 1,2-Benzisothiazol-3(2h)-one

CAS No.	2634-33-5				
EINECS no.	220-120-9				
Concentration			<	0,05	%

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

Aquatic Acute 1	H400
Skin Sens. 1	H317
Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Dam. 1	H318

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1	H317	>= 0,05
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#### A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1)

CAS No.	55965-84-9				
Concentration			<	0,0015	%

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

Acute Tox. 3	H331
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1	H317
Skin Corr. 1B	H314
Acute Tox. 3	H311
Acute Tox. 3	H301

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Corr. 1B	H314	>= 0,6
Eye Irrit. 2	H319	<= 0,06 < 0,6
Skin Irrit. 2	H315	<= 0,06 < 0,6
Skin Sens. 1	H317	>= 0,0015

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After skin contact

Wash with plenty of water and soap. Do NOT use solvents or thinners.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

#### After ingestion

Rinse mouth thoroughly with water. If larger amounts are swallowed or in the event of symptoms take medical treatment.



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## **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**

Carbon dioxide, Foam, Sand, Water

### **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 (CO<sub>2</sub>); dense black smoke

### **5.3. Advice for firefighters**

#### **Other information**

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

## **SECTION 6: Accidental release measures**

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

No particular measures required.

### **6.2. Environmental precautions**

No particular measures required.

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

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**

Avoid skin and eye contact. Smoking, eating and drinking shall be prohibited in application area.

#### **Advice on protection against fire and explosion**

No special measures required.

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

Temperature class                      T4

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

#### **Requirements for storage rooms and vessels**

Store in frostfree conditions.

### **7.3. Specific end use(s)**

Paint

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



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## 8.1. Control parameters

### Other information

There are not known any further control parameters.

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

#### 3-Butoxypropan-2-ol

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	8,75	mg/kg

### Predicted No Effect Concentration (PNEC)

#### 3-Butoxypropan-2-ol

Type of value	PNEC	
Type	Soil	
Concentration	0,16	mg/kg
Type of value	PNEC	
Type	Water	
Concentration	0,525	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	2,36	mg/kg
Type of value	PNEC	
Type	Aquatic	
Concentration	0,0525	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,236	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l

## 8.2. Exposure controls

### Exposure controls

Provide adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Form	Pasty
Colour	coloured
Odour	odourless

#### Odour threshold

Remarks No data available

#### pH value

Value 8 to 9



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Temperature 20 °C

Method WTW PH 340

**Melting point**

Remarks not determined

**Freezing point**

Remarks not determined

**Initial boiling point and boiling range**

Value appr. 100 °C

Pressure 1.013 hPa

Source Literature value

**Flash point**

Remarks Not applicable

**Evaporation rate (ether = 1) :**

Remarks not determined

**Flammability (solid, gas)**

Not applicable

**Upper/lower flammability or explosive limits**

Lower explosion limit appr. 0,6 %(V)

Upper explosion limit appr. 20,4 %(V)

Source Literature value

**Vapour pressure**

Value appr. 23 hPa

Temperature 20 °C

Method Value taken from the literature

**Vapour density**

Remarks not determined

**Density**Value 1,040 g/cm<sup>3</sup>

Temperature 20 °C

Method DIN EN ISO 2811

**Solubility in water**

Remarks miscible

**Ignition temperature**

Value appr. 189 °C

Source Literature value

**Viscosity**

Remarks

Remarks not determined

**9.2. Other information****Other information**

None known

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None

**10.2. Chemical stability**

No hazardous reactions known.



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### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

No hazardous reactions known.

### 10.5. Incompatible materials

None

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### **Aspiration hazard**

No special hazards have to be mentioned.

#### **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 conventional method of the Dangerous Preparations Directive 1999/45/EC and not classified.

## **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.

### 12.2. Persistence and degradability

#### **General information**

There are no data available on the mixture itself.

### 12.3. Bioaccumulative potential

#### **General information**

There are no data available on the mixture itself.

### 12.4. Mobility in soil

#### **General information**

There are no data available on the mixture itself.

### 12.5. Results of PBT and vPvB assessment



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**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**

The product can be placed with other household refuse. Small residues in containers can be washed-out with water and put into the drainage system.

**Disposal recommendations for packaging**

Packaging that cannot be cleaned should be disposed off as product waste. Completely emptied packagings can be given for recycling.

**SECTION 14: Transport information**

**Land transport ADR/RID**

Non-dangerous goods

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class -

Label -

**14.4. Packing group**

Packing group -

Transport category 0

**14.5. Environmental hazards**

-

**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class -

Subsidiary risk -

**14.4. Packing group**

Packing group -

**14.5. Environmental hazards**

no

**Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class -



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Subsidiary risk -  
**14.4. Packing group**  
 Packing group -  
**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 MARPOL73/78 and the IBC Code**

no

**SECTION 15: Regulatory information**

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

**VOC**

VOC (EU) 6,26 % 65,1 g/l

**Other information**

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

**Other information**

All components are contained in the TSCA inventory or exempted.  
 All components are contained in the ECL 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**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**CLP categories listed in Chapter 3**

Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1





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### 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.