



Trade name: Marabu Glas Starter-Set FSC 100%

Version: 8 /

Date revised: 30.01.2020

Substance number: 1306000000087

Replaces Version: 7 / WORLD

Print date: 07.09.20

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

1.1. Product identifier

Marabu Glas Starter-Set FSC 100%

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/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 by / telephone Department product safety

E-mail address of person responsible PRSI@marabu.com

for this SDS

Importer -

S&S Wholesale Pty. Limited

18/10 Pioneer Avenue,

Thornleigh NSW 2120

Tel: 1300 731 529

Fax: 1300 739 715

Emergency Contact:

S&S Wholesale Pty. Limited

Tel: 1300 731 529

Fax: 1300 739 715

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

EUH208 Contains

2-Methyl-2H-isothiazol-3-one, 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) / C(M)IT/MIT (3:1),

1,2-Benzisothiazol-3(2h)-one, May produce an allergic reaction.

Supplemental information

EUH205

Contains epoxy constituents. May produce an allergic reaction.

Labelling according to regulation (EU) No 528/2012

Contains a biocidal product: 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) / C(M)IT/MIT (3:1)

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

Hazardous ingredients ***



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3-Butoxypropan-2-ol

CAS No. 5131-66-8
 EINECS no. 225-878-4
 Registration no. 01-2119475527-28
 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
 Acute Tox. 2 H330
 Aquatic Chronic 2 H411

Concentration limits (Regulation (EC) No. 1272/2008)
 Skin Sens. 1 H317 >= 0,05

Pyridin-2-thiol-1-oxide, sodium salt

CAS No. 3811-73-2
 EINECS no. 223-296-5
 Concentration >= 0,001 < 0,1 %

Classification (Regulation (EC) No. 1272/2008)
 Eye Dam. 1 H318
 Acute Tox. 4 H302
 Acute Tox. 4 H332
 Aquatic Acute 1 H400
 Aquatic Chronic 2 H411

Concentration limits (Regulation (EC) No. 1272/2008)
 Aquatic Acute 1 H400 M = 100

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) / C(M)IT/MIT (3:1)

CAS No. 55965-84-9
 Concentration < 0,001 %

Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 2 H330
 Aquatic Chronic 1 H410
 Aquatic Acute 1 H400
 Skin Sens. 1A H317
 Skin Corr. 1C H314
 Acute Tox. 2 H310
 Acute Tox. 3 H301

Concentration limits (Regulation (EC) No. 1272/2008)
 Skin Corr. 1C H314 >= 0,6
 Eye Irrit. 2 H319 <= 0,06 < 0,6

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Skin Irrit. 2	H315	<= 0,06 < 0,6
Skin Sens. 1	H317	>= 0,0015
Aquatic Acute 1	H410	M = 100
Aquatic Chronic 1	H410	M = 100

2-Methyl-2H-isothiazol-3-one

CAS No. 2682-20-4

EINECS no. 220-239-6

Concentration < 0,0015 %

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

Acute Tox. 3	H301
Acute Tox. 2	H330
Skin Corr. 1B	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400
Skin Sens. 1A	H317
Aquatic Chronic 1	H410
Acute Tox. 3	H311

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

Skin Sens. 1A	H317	>= 0,0015
Aquatic Acute 1	H400	M = 10

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.

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 (CO₂); dense black smoke

5.3. Advice for firefighters

Other information

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



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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

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	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	147	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	52	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
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Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	43	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	22	mg/kg/d
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	12,5	mg/kg/d

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	Saltwater	
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	liquid
Colour	coloured



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Odour	solvent-like		
Odour threshold			
Remarks	No data available		
pH value			
Value	8	to	9
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 ³
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



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10.1. Reactivity

None

10.2. Chemical stability

No hazardous reactions known.

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****Acute oral toxicity**

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

Acute oral toxicity (Components)**1,2-Benzisothiazol-3(2h)-one**

Species	rat		
LD50		1193	mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)**1,2-Benzisothiazol-3(2h)-one**

Species	rat		
LD50		4115	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 Based on available data, the classification criteria are not met.



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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.

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)**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) / C(M)IT/MIT (3:1)**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	0,188		mg/l
Duration of exposure	96	h	

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

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	2,18		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)**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) / C(M)IT/MIT (3:1)**

Species	Daphnia magna		
EC50	0,126		mg/l
Duration of exposure	48	h	

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

Species	Daphnia magna		
EC50	2,94		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)**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) / C(M)IT/MIT (3:1)**

Species	Selenastrum capricornutum		
EC50	0,027		mg/l



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Duration of exposure	72	h	
1,2-Benzisothiazol-3(2h)-one			
Species	Pseudokirchneriella subcapitata		
ErC50	0,11		mg/l
Duration of exposure	72	h	

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

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.
- Dispose of waste according to applicable legislation.
- Dispose of as hazardous waste.

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

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



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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	-
Label			
14.4. Packing group	-	-	-
Transport category	0		
14.5. Environmental hazards	-	no	-

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

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

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.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.

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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

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

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.