



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

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

1.1. Product identifier

Marabu Photo Transfer Set FSC100%

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

Use of the substance/preparation

Hobby varnish

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

Hobby varnish based on acrylic resins and on water

Hazardous ingredients ***

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



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

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

2,2'-dithiobis[N-methylbenzamide]

CAS No. 2527-58-4

EINECS no. 219-768-5

Concentration >= 0,01 < 0,025 %

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

Skin Sens. 1	H317
Aquatic Chronic 1	H410
Aquatic Acute 1	H400

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

Aquatic Chronic H410 M = 10
1**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

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



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

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.

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.

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)

Hobby varnish

SECTION 8: Exposure controls/personal protection ***

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

Exposure controls

Provide adequate ventilation.

Respiratory protection

Not necessary.

Hand protection



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

Not necessary.

In case of intensive contact wear protective gloves.

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

Not necessary.

Body protection

Not applicable.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid
Colour	colourless
Odour	odourless
Odour threshold	
Remarks	No data available
pH value	
Value	8 to 10
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)	
Remarks	Not applicable
Upper/lower flammability or explosive limits	
Remarks	not determined
Vapour pressure	
Value	appr. 23 hPa



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

Temperature 20 °C
 Method Value taken from the literature

Vapour density

Remarks not determined

Density

Value 1,04 g/cm³
 Temperature 20 °C
 Method DIN EN ISO 2811

Solubility in water

Remarks miscible

Ignition temperature

Remarks not determined

Viscosity

dynamic

Value 800 to 1300 mPa.s
 Temperature 20 °C
 Method Brookfield

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.

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.



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

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.

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

Provided all the recommended protective and safety precautions are taken, experience shows that no risk to health can be expected.

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)**2,2'-dithiobis[N-methylbenzamide]**

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	0,8567		mg/l
Duration of exposure	96	h	
Method	OECD 203		

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

Species	rainbow trout (Oncorhynchus mykiss)
---------	-------------------------------------



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

LC50	2,18		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)**2,2'-dithiobis[N-methylbenzamide]**

Species	Daphnia magna		
EC50	0,0289		mg/l
Duration of exposure	48	h	
Method	OECD 202		

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

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

Algae toxicity (Components)**2,2'-dithiobis[N-methylbenzamide]**

Species	Pseudokirchneriella subcapitata		
ErC50	0,401		mg/l
Duration of exposure	72	h	
Method	OECD 201		

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.



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

SECTION 14: Transport information

	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

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

Other information

All components are contained in the AICS inventory.

All components are contained in the DSL inventory.

All components are contained in the TSCA inventory or exempted.

All components are contained in the ENCS 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

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



Trade name: Marabu Photo Transfer Set FSC100%

Version: 14 /

Date revised: 08.01.2020

Substance number: 114100000001

Replaces Version: 13 /

Print date: 07.09.20

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
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. 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
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1

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.