



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

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

### **1.1. Product identifier**

Marabu ArtistSprayP.922,400ml

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

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

Colour spray

### **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**

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

Classification (Regulation (EC) No. 1272/2008)  
Aerosol 2 H223  
H229

### **2.2. Label elements**

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

#### **Hazard pictograms**



#### **Signal word**

Warning

#### **Hazard statements**

H229 Pressurized container: may burst if heated.  
H223 Flammable aerosol.

#### **Precautionary statements \*\*\***

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.

**Supplemental information****Further supplemental information**

Without adequate ventilation, explosive atmosphere/gas mix may be created.

**2.3. Other hazards**

No special hazards have to be mentioned.

**SECTION 3: Composition/information on ingredients \*\*\*****3.2. Mixtures****Chemical characterization**

Solvent based colour spray

**Hazardous ingredients****Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Registration no.	01-2119457610-43				
Concentration	>= 10	<	24	%	

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319

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

Eye Irrit. 2	H319	>= 50 %
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**Propan-2-ol**

CAS No.	67-63-0				
EINECS no.	200-661-7				
Registration no.	01-2119457558-25				
Concentration	>= 1	<	5,1	%	

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

**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. 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. Summon a doctor immediately.

**After skin contact**

After contact with skin, wash immediately with plenty of water. Don't use solvents.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

minutes and seek immediate medical advice.

#### **After ingestion**

Summon a doctor immediately. 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, CO<sub>2</sub>, powders, water spray/mist, Not be used for safety reasons: water jet

#### **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**

##### **Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus.

##### **Other information**

Cool endangered containers with water spray jet. 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**

Keep away sources of ignition. Ensure adequate ventilation. Do not breathe gas/fumes/vapour/spray. Refer to protective measures listed in Sections 7 and 8.

#### **6.2. Environmental precautions**

Do not empty into drains. 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**

Refer to protective measures listed in Sections 7 and 8.

### **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. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care. Isolate from sources of heat, sparks and open flame. Avoid skin and eye contact. Smoking, eating and drinking shall be prohibited in application area. Comply with the health and safety at work laws.



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

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

Classification of fires B (Combustible liquid substances)  
 Temperature class T2

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

**Requirements for storage rooms and vessels**

Store in accordance with national regulation

**Further information on storage conditions**

Keep away from sources of ignition. Keep container in a cool, well-ventilated place. Observe label precautions.

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

Colour spray

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

**8.1. Control parameters**

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

**Dimethyl ether**

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	1894	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	Systemic effects	
Concentration	471	mg/m <sup>3</sup>

**Ethanol**

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	950	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	1900	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	

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



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

Concentration 343 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 114 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Short term

Route of exposure inhalative

Mode of action Local effects

Concentration 950 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 206 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 87 mg/kg/d

**Propan-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 500 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 888 mg/kg/d

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 89 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

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



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

Concentration	319	mg/kg/d
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	26	mg/kg/d

**Predicted No Effect Concentration (PNEC)**

**Ethanol**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,96	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,79	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	2,75	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	580	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	3,6	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	2,9	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,63	mg/kg

**Propan-2-ol**

Type of value	PNEC	
Type	Freshwater	
Concentration	140,9	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	140,9	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	2251	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	552	mg/kg
Type of value	PNEC	



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

Type	Marine sediment	
Concentration	552	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	28	mg/kg
<b>Dimethyl ether</b>		
Type of value	PNEC	
Type	Freshwater	
Concentration	0,155	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	1,549	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,016	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	160	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,681	mg/kg
Type of value	PNEC	
Type	Saltwater	
Concentration	0,069	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,045	mg/kg

## 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.

### Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Short term: filter apparatus, Filter A/P2; Self-contained breathing apparatus.

### 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



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

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**

Safety glasses

**Body protection**

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

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

<b>Form</b>	Aerosol		
<b>Colour</b>	coloured		
<b>Odour</b>	solvent-like		
<b>pH value</b>			
Remarks	Not applicable		
<b>Melting point</b>			
Remarks	not determined		
<b>Initial boiling point and boiling range</b>			
Value	appr. 78		°C
Pressure	1.013	hPa	
Source	Literature value		
<b>Flash point</b>			
Remarks	Not applicable		
<b>Upper/lower flammability or explosive limits</b>			
Lower explosion limit	appr. 3,2		%(V)
Upper explosion limit	appr. 23,2		%(V)
Source	Literature value		
<b>Density</b>			
Value	0,85		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Solubility in water</b>			
Remarks	immiscible		
<b>Partition coefficient: n-octanol/water</b>			
Remarks	Not applicable		
<b>Ignition temperature</b>			
Value	appr. 290		°C
Source	Literature value		
<b>Viscosity</b>			
Remarks	not determined		

**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**





Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

None known

**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. Protect from heat and direct sunlight.

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

**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 dermal toxicity**

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

**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**

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.



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

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. Ingestion may cause nausea, diarrhoea and vomiting.

#### 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.

### **12.2. Persistence and degradability**

#### **General information**

There are no data available on the mixture itself.

### **12.3. Bioaccumulative potential**

#### **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.

### **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.

#### **Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

Not emptied containers are hazardous waste (waste code number 150110).

## **SECTION 14: Transport information**

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



Trade name: Marabu ArtistSprayP.922,400ml




Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D		
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)	2	2.1	2.1
Label			
14.4. Packing group	-	-	-
Limited Quantity	11		
Transport category	2		
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**

**VOC \*\*\***

VOC (CH) 57,1 % 485,5 g/l

VOC (EU) 57,1 % 485,5 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**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.



Trade name: Marabu ArtistSprayP.922,400ml

Version: 2 /

Date revised: 07.05.2018

Substance number: 21100018922

Replaces Version: 1 / WORLD

Print date: 28.05.20

H336

May cause drowsiness or dizziness.

### CLP categories listed in Chapter 3

Eye Irrit. 2

Eye irritation, Category 2

Flam. Liq. 2

Flammable liquid, Category 2

STOT SE 3

Specific target organ toxicity - single exposure, Category 3

### Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

GGVSee: Gefahrgutverordnung See

IMDG: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

CAS: Chemical Abstracts Service

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EmS: Emergency Schedules

AICS: Australian Inventory of Chemical Substances

MITI: Ministry of International Trade and Industry (Japan)

TSCA: Toxic Substances Control Act (USA)

VOC: Volatile Organic Compound

LD: Lethal dose

LC: Lethal concentration

SVHC: Substances of very high concern

DNEL: Derived no effect level

PNEC: Predicted no effect concentration

UN: United Nations

OEL: Occupational exposure limit

### 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.