

MSDS for #21170 - MARABU ART SPRAY

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

Trade name: Marabu Art Spray 212, 50 ml MNA

Version: 6 /

Date revised: 29.01.2020

Substance number: 12099005212

Replaces Version: 5 / WORLD

Print date: 03.11.20

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

### **1.1. Product identifier**

Marabu Art Spray 212, 50 ml MNA

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

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

Spray 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**

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**

#### **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**



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Spray paint based on acrylic resins and on water

### Hazardous ingredients \*\*\*

#### Bronopol (INN)

|                  |                  |   |     |   |  |
|------------------|------------------|---|-----|---|--|
| CAS No.          | 52-51-7          |   |     |   |  |
| EINECS no.       | 200-143-0        |   |     |   |  |
| Registration no. | 01-2119980938-15 |   |     |   |  |
| Concentration    | >= 0,01          | < | 0,1 | % |  |

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

|                   |      |
|-------------------|------|
| Eye Dam. 1        | H318 |
| Skin Irrit. 2     | H315 |
| STOT SE 3         | H335 |
| Acute Tox. 4      | H302 |
| Acute Tox. 4      | H312 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 1 | H410 |

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

|                   |      |        |
|-------------------|------|--------|
| Aquatic Acute 1   | H400 | M = 10 |
| Aquatic Chronic 1 | H410 | M = 1  |

#### Pyrithione zinc

|                  |                  |   |       |   |  |
|------------------|------------------|---|-------|---|--|
| CAS No.          | 13463-41-7       |   |       |   |  |
| EINECS no.       | 236-671-3        |   |       |   |  |
| Registration no. | 01-2119511196-46 |   |       |   |  |
| Concentration    | >= 0,01          | < | 0,025 | % |  |

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

|                   |      |
|-------------------|------|
| Acute Tox. 3      | H301 |
| Acute Tox. 3      | H331 |
| Eye Dam. 1        | H318 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 1 | H410 |

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

|                   |      |         |
|-------------------|------|---------|
| Aquatic Acute 1   | H400 | M = 100 |
| Aquatic Chronic 1 | H410 | M = 10  |

#### 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 |
|--------------|------|---------|

**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)**



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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 |
| 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



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**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 dioxide (CO<sub>2</sub>); Carbon monoxide (CO); 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)**

Paint

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Derived No/Minimal Effect Levels (DNEL/DMEL)****Bronopol (INN)**

Type of value

Reference group

Duration of exposure

Route of exposure

Mode of action

Concentration

Derived No Effect Level (DNEL)

Worker

Long term

inhalative

Systemic effects

4,1

mg/m<sup>3</sup>



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|                      |                                |                    |
|----------------------|--------------------------------|--------------------|
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Worker                         |                    |
| Duration of exposure | Short term                     |                    |
| Route of exposure    | inhalative                     |                    |
| Mode of action       | Systemic effects               |                    |
| Concentration        | 12,3                           | 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       | Local effects                  |                    |
| Concentration        | 4,2                            | 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        | 4,2                            | 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        | 2,3                            | mg/kg/d            |
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Worker                         |                    |
| Duration of exposure | Short term                     |                    |
| Route of exposure    | dermal                         |                    |
| Mode of action       | Systemic effects               |                    |
| Concentration        | 7                              | mg/kg/d            |
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Worker                         |                    |
| Duration of exposure | Long term                      |                    |
| Route of exposure    | dermal                         |                    |
| Mode of action       | Local effects                  |                    |
| Concentration        | 13                             | µg/cm <sup>2</sup> |
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Worker                         |                    |
| Duration of exposure | Short term                     |                    |
| Route of exposure    | dermal                         |                    |
| Mode of action       | Local effects                  |                    |
| Concentration        | 13                             | µg/cm <sup>2</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        | 1,2                            | mg/m <sup>3</sup>  |
| Type of value        | Derived No Effect Level (DNEL) |                    |



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|                      |                                |                    |
|----------------------|--------------------------------|--------------------|
| Reference group      | Consumer                       |                    |
| Duration of exposure | Short term                     |                    |
| Route of exposure    | inhalative                     |                    |
| Mode of action       | Systemic effects               |                    |
| Concentration        | 3,7                            | 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        | 1,3                            | 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        | 1,3                            | 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        | 1,4                            | mg/kg/d            |
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Consumer                       |                    |
| Duration of exposure | Short term                     |                    |
| Route of exposure    | dermal                         |                    |
| Mode of action       | Systemic effects               |                    |
| Concentration        | 4,2                            | mg/kg/d            |
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Consumer                       |                    |
| Duration of exposure | Long term                      |                    |
| Route of exposure    | dermal                         |                    |
| Mode of action       | Local effects                  |                    |
| Concentration        | 8                              | µg/cm <sup>2</sup> |
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Consumer                       |                    |
| Duration of exposure | Short term                     |                    |
| Route of exposure    | dermal                         |                    |
| Mode of action       | Local effects                  |                    |
| Concentration        | 8                              | µg/cm <sup>2</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        | 0,35                           | mg/kg/d            |
| Type of value        | Derived No Effect Level (DNEL) |                    |
| Reference group      | Consumer                       |                    |
| Duration of exposure | Short term                     |                    |



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|                   |                  |         |
|-------------------|------------------|---------|
| Route of exposure | oral             |         |
| Mode of action    | Systemic effects |         |
| Concentration     | 1,1              | mg/kg/d |

**Predicted No Effect Concentration (PNEC)****Bronopol (INN)**

|               |            |      |
|---------------|------------|------|
| Type of value | PNEC       |      |
| Type          | Freshwater |      |
| Concentration | 0,01       | mg/l |

|               |           |      |
|---------------|-----------|------|
| Type of value | PNEC      |      |
| Type          | Saltwater |      |
| Concentration | 0,001     | mg/l |

|               |                              |      |
|---------------|------------------------------|------|
| Type of value | PNEC                         |      |
| Type          | Water (intermittent release) |      |
| Concentration | 0,003                        | mg/l |

|               |                              |      |
|---------------|------------------------------|------|
| Type of value | PNEC                         |      |
| Type          | Sewage treatment plant (STP) |      |
| Concentration | 0,43                         | mg/l |

|               |                     |       |
|---------------|---------------------|-------|
| Type of value | PNEC                |       |
| Type          | Freshwater sediment |       |
| Concentration | 0,041               | mg/kg |

|               |                 |       |
|---------------|-----------------|-------|
| Type of value | PNEC            |       |
| Type          | Marine sediment |       |
| Concentration | 0,003           | mg/kg |

|               |      |       |
|---------------|------|-------|
| Type of value | PNEC |       |
| Type          | Soil |       |
| Concentration | 0,5  | mg/kg |

**8.2. Exposure controls****Exposure controls**

Provide adequate ventilation.

**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>           | odourless         |
| <b>Odour threshold</b> |                   |
| Remarks                | No data available |

**pH value**

|             |            |    |   |
|-------------|------------|----|---|
| Value       | 7          | to | 9 |
| Temperature | 20         | °C |   |
| Method      | WTW PH 340 |    |   |

**Melting point**

|         |                |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

**Freezing point**



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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**

Remarks not determined

**Vapour pressure**

Value appr. 23 hPa  
 Temperature 20 °C  
 Method Value taken from the literature

**Vapour density**

Remarks not determined

**Density**

Value 1 g/cm<sup>3</sup>  
 Temperature 20 °C  
 Method DIN EN ISO 2811

**Solubility in water**

Remarks miscible

**Ignition temperature**

Remarks not determined

**Viscosity**

Remarks  
 Remarks not determined

**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**



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### 11.1. Information on toxicological effects

#### Acute oral toxicity

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

#### Acute oral toxicity (Components)

##### Pyrithione zinc

|         |                    |       |
|---------|--------------------|-------|
| Species | Rats (male/female) |       |
| LD50    | 269                | mg/kg |
| Method  | OECD 401           |       |

##### 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.

#### Acute inhalative toxicity (Components)

##### Pyrithione zinc

|                     |           |      |
|---------------------|-----------|------|
| Species             | rat       |      |
| LC50                | 0,84      | mg/l |
| Administration/Form | Dust/Mist |      |
| Method              | OECD 403  |      |

#### 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.



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### 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)

##### Pyrithione zinc

|                      |                                     |      |
|----------------------|-------------------------------------|------|
| Species              | rainbow trout (Oncorhynchus mykiss) |      |
| LC50                 | 0,14                                | mg/l |
| Duration of exposure | 96 h                                |      |

##### Bronopol (INN)

|                      |                                     |      |
|----------------------|-------------------------------------|------|
| Species              | rainbow trout (Oncorhynchus mykiss) |      |
| LC50                 | 3                                   | mg/l |
| Duration of exposure | 96 h                                |      |
| Method               | OECD 203                            |      |

##### Bronopol (INN)

|                      |                                     |      |
|----------------------|-------------------------------------|------|
| Species              | rainbow trout (Oncorhynchus mykiss) |      |
| NOEC                 | 2,61                                | mg/l |
| Duration of exposure | 28 d                                |      |
| Method               | OECD 203                            |      |

##### 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 (Oncorhynchus mykiss) |      |
| LC50                 | 0,188                               | mg/l |
| Duration of exposure | 96 h                                |      |

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

|                      |                                     |      |
|----------------------|-------------------------------------|------|
| Species              | rainbow trout (Oncorhynchus mykiss) |      |
| LC50                 | 2,18                                | mg/l |
| Duration of exposure | 96 h                                |      |

#### Daphnia toxicity (Components)

##### Pyrithione zinc

|                      |               |      |
|----------------------|---------------|------|
| Species              | Daphnia magna |      |
| EC50                 | 0,05          | mg/l |
| Duration of exposure | 48 h          |      |

##### Bronopol (INN)

|                      |               |      |
|----------------------|---------------|------|
| Species              | Daphnia magna |      |
| EC50                 | 1,04          | mg/l |
| Duration of exposure | 48 h          |      |
| Method               | OECD 202      |      |

##### Bronopol (INN)

|                      |               |      |
|----------------------|---------------|------|
| Species              | Daphnia magna |      |
| NOEC                 | 0,06          | mg/l |
| Duration of exposure | 21 d          |      |
| Method               | OECD 211      |      |

##### 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)



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|                      |               |      |
|----------------------|---------------|------|
| 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)

#### Pyrithione zinc

|                      |                           |      |
|----------------------|---------------------------|------|
| Species              | Selenastrum capricornutum |      |
| IC50                 | 0,067                     | mg/l |
| Duration of exposure | 72                        | h    |

#### Bronopol (INN)

|                      |                                 |      |
|----------------------|---------------------------------|------|
| Species              | Pseudokirchneriella subcapitata |      |
| EC50                 | 0,068                           | mg/l |
| Duration of exposure | 72                              | h    |
| Method               | OECD 201                        |      |

#### Bronopol (INN)

|                      |                                 |      |
|----------------------|---------------------------------|------|
| Species              | Pseudokirchneriella subcapitata |      |
| NOEC                 | 0,0025                          | mg/l |
| Duration of exposure | 72                              | h    |
| Method               | OECD 201                        |      |

#### 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 |
| 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



Trade name: Marabu Art Spray 212, 50 ml MNA

Version: 6 /

Date revised: 29.01.2020

Substance number: 12099005212

Replaces Version: 5 / WORLD

Print date: 03.11.20

### 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

|                                         | Land transport ADR/RID                                                    | Marine transport IMDG/GGVSee                                             | Air transport ICAO/IATA                                                  |
|-----------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>14.1. UN number</b>                  | 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.- |
| <b>14.2. UN proper shipping name</b>    | -                                                                         | -                                                                        | -                                                                        |
| <b>14.3. Transport hazard class(es)</b> | -                                                                         | -                                                                        | -                                                                        |
| Subsidiary risk                         |                                                                           | -                                                                        | -                                                                        |
| Label                                   |                                                                           |                                                                          |                                                                          |
| <b>14.4. Packing group</b>              | -                                                                         | -                                                                        | -                                                                        |
| Transport category                      | 0                                                                         |                                                                          |                                                                          |
| <b>14.5. Environmental hazards</b>      | -                                                                         | 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 DSL inventory.



Trade name: Marabu Art Spray 212, 50 ml MNA

Version: 6 /

Date revised: 29.01.2020

Substance number: 12099005212

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

|      |                                                       |
|------|-------------------------------------------------------|
| H301 | Toxic if swallowed.                                   |
| H302 | Harmful if swallowed.                                 |
| H310 | Fatal in contact with skin.                           |
| H311 | Toxic in contact with skin.                           |
| H312 | Harmful 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.                            |
| H330 | Fatal if inhaled.                                     |
| H331 | Toxic if inhaled.                                     |
| H335 | May cause respiratory irritation.                     |
| 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                               |
| 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                              |
| 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 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.