| <u>ECTION 1: Identifica</u> ompany/undertaking | <u>ition of the substance/</u> 1 | mixture and of the | - |
|---|--|--|----------------------------|
| 1.1. Product identifier Marabu Textil plus 073 | - 3, 50 ml | | |
| 1.2. Relevant identified u | uses of the substance or n | nixture and uses advis | sed against |
| Jse of the substance/pr Paint | eparation | | |
| 1.3. Details of the suppli | er of the safety data sheet | | |
| Address/Manufacture | r | Importer - | |
| Marabu GmbH & Co. k Asperger Strasse 4 71732 Tamm | <g< th=""><th>S&S Wholesale Pty. Li 18/10 Pioneer Avenue Thornleigh NSW 2120</th><th>≥,</th></g<> | S&S Wholesale Pty. Li 18/10 Pioneer Avenue Thornleigh NSW 2120 | ≥, |
| Germany Telephone no. Fax no. Information provided | +49-7141/691-0 +49-7141/691-147 Department product safety | Tel: 1300 731 529 Emergency Contact: | Fax: 1300 739 715 |
| by / telephone E-mail address of person responsible for this SDS | PRSI@marabu.com | S&S Wholesale Pty. Li Tel: 1300 731 529 | mited Fax: 1300 739 715 |
| 1.4. Emergency telephor (+49) (0)621-60-43333 | | | |
| ECTION 2: Hazards | identification | | |
| 2.1. Classification of the | | vith Regulation (EC) No 127 | 2/2008. |
| 2.2. Label elements | | | |
| Labelling according | to regulation (EC) No 127 | 2/2008 | |
| EUH208 Contains | 2-Methyl-2H-isothiazol-3-one, A 5-Chloro-2-methyl-2h-isothiazol- 2-Methyl-2H-isothiazol-3-one [E0 produce an allergic reaction. | mixture of: 3-one [EC-no. 247-500-7] a | |
| Supplemental information | ation | | |
| Labelling according to | o regulation (EU) No 528/201 | 2 | |
| | oduct: A mixture of: 5-Chloro-2-me -3-one [EC-no. 220-239-6] (3:1) / | | C-no. 247-500-7] and |
| 2.3. Other hazards No special hazards ha | ve to be mentioned. | | |
| ECTION 3: Composi | tion/information on ing | gredients | |
| B.2. Mixtures | • • • • • • | . | |
| Chemical characteriza | ation | | |
| Paint based on acrylic | resins and on water | | |
| Hazardous ingredient | S | | |
| | Page 1(15) | | |
| | | | |

Trade name: Marabu Textil plus 073, 50 ml

Substance number: 17150005073

Version: 11/ Replaces Version: 10 / Date revised: 30.04.2020 Print date: 12.10.20

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| ade name: Marabu Textil p | lus 073, 50 ml | | | | | Marab |
|-----------------------------------|-----------------------------------|----------------|---------------------|---------------|-----------|--|
| ubstance number: 1715000 | 05073 | | n: 11 / æs Versi | on: 10/ | | Date revised: 30.04.2020 Print date: 12.10.20 |
| Poly(oxy-1,2-ethaned | ivi) a-nhenvi-w | hydroxy | etvron | otod | | |
| CAS No. | 104376-75-2 | -liyui oxy | , Styro n | | | |
| Concentration | >= | 1 | < | 10 | % | |
| Classification (Regula | ation (EC) No. 1 Aquatic Chror | |) H412 | | | |
| 2,2'-Oxybisethanol | | | | | | |
| CAS No. | 111-46-6 | | | | | |
| EINECS no. | 203-872-2 | | | | | |
| Registration no. | 01-21194578 | | | | | |
| Concentration | >= | 1 | < | 10 | % | |
| Classification (Regula | ation (EC) No. 1 Acute Tox. 4 | 272/2008 |) H302 | | | |
| | | | | | | |
| Bronopol (INN) | 50 54 7 | | | | | |
| CAS No. | 52-51-7 | | | | | |
| EINECS no. Registration no. | 200-143-0 01-21199809 | 20 15 | | | | |
| Concentration | >= | 0,01 | < | 0,1 | % | |
| | | | | | | |
| Classification (Regula | | 272/2008 | | | | |
| | Eye Dam. 1 Skin Irrit. 2 | | H318 H315 | | | |
| | STOT SE 3 | | H335 | | | |
| | Acute Tox. 4 | | H302 | | | |
| | Acute Tox. 4 | | H312 | | | |
| | Aquatic Acute | e 1 | H400 | | | |
| | Aquatic Chror | nic 1 | H410 | | | |
| Concentration limits (| Regulation (FC) |) No 1272 | 2/2008) | | | |
| Concentration infines | Aquatic Acute | | | = 10 | | |
| | Aquatic Chror 1 | | | | | |
| Pyrithione zinc | | | | | | |
| CAS No. | 13463-41-7 | | | | | |
| EINECS no. | 236-671-3 | 06.46 | | | | |
| Registration no. Concentration | 01-21195111 >= | 96-46 0,001 | < | 0,01 | % | |
| | | | | 0,01 | , | |
| Classification (Regula | | 272/2008 | | | | |
| | Acute Tox. 3 | | H301 | | | |
| | Acute Tox. 3 Eye Dam. 1 | | H331 H318 | | | |
| | Aquatic Acute | e 1 | H400 | | | |
| | Aquatic Acute Aquatic Chror | | H410 | | | |
| Concentration limite (| (Degulation (CC) | | 2/2008) | | | |
| Concentration limits (| Aquatic Acute | | | = 100 | | |
| | Aquatic Chror | | | = 100 = 10 | | |
| | 1 | | | | | |
| A mixture of: 5-Chlore | | | | | | |
| 2-Methyl-2H-isothiazo | | . 220-239 | -6] (3:1) | / C(M)IT/N | IIT (3:1) | |
| CAS No. Concentration | 55965-84-9 >= | 0,001 | < | 0,0015 | % | |
| Concentration | =< | 0,001 | ` | 0,0010 | 70 | |
| | | | | | | |

| rade name: Marabu | Textil plus 073, 50 ml | | | | | Marah |
|---------------------------------------|--|--|--|------------------------------------|---------------------------|-----------------------------------|
| | 47450005070 | Version: | | 10/ | | ed: 30.04.202 nt date: 12.10.2 |
| Substance number: | 17150005073 | Replaces | sversion | 107 | FIII | 11 Uale. 12.10.2 |
| Classification | e (Regulation (EC) No. Acute Tox. 2 Aquatic Chro Aquatic Acu Skin Sens. 1 Skin Corr. 10 Acute Tox. 2 Acute Tox. 3 | onic 1 e 1 A C | H330 H410 H400 H317 H314 H310 H301 | | | |
| Concentratio | | | | | | |
| Concentratio | n limits (Regulation (E(Skin Corr. 1) Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1 Aquatic Acu Aquatic Chro 1 | C H314 H319 H315 H317 e 1 H410 | >= 0, <= 0, <= 0, | 06 < 0,6 06 < 0,6 0015 00 | | |
| | sothiazol-3-one | | | | | |
| CAS No. EINECS no. Concentratio | 2682-20-4 220-239-6 n | | < (| 0,0015 | % | |
| | (Regulation (EC) No. | 4070/0000 | | , | | |
| | Acute Tox. 3 Acute Tox. 2 Skin Corr. 1 Eye Dam. 1 Aquatic Acu Skin Sens. 1 Aquatic Chro Acute Tox. 3 | 3 e 1 A onic 1 | H301 H330 H314 H318 H400 H317 H410 H311 | | | |
| Concentratio | n limits (Regulation (E0 | C) No. 1272/2 | 2008) | | | |
| | Skin Sens. 1 Aquatic Acu | A H317 | >= 0, | | | |
| ECTION 4: Fir | st aid measure | 5 | | | | |
| | of first aid measu | - | | | | |
| After skin con | tact enty of water and soap | | e solvents | s or thinn | ers. | |
| Separate eye After ingestio | elids, wash the eyes the n | | · | , | case of irritation consul | |
| Rinse mouth medical treat | | If larger amo | unts are | swallowe | I or in the event of symp | toms take |
| | ant symptoms and symptoms known so fa | | oth acu | ute and | delayed | |
| | | | ention a | nd spe | cial treatment need | led |
| | ohysician / treatmer | | | • | | |

Trade name: Marabu Textil plus 073, 50 ml

Substance number: 17150005073

Version: 11 / Replaces Version: 10 / Date revised: 30.04.2020 Print date: 12.10.20

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 (CO2); 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

Other information

There are not known any further control parameters.

Derived No/Minimal Effect Levels (DNEL/DMEL)

2,2'-Oxybisethanol

| Type of value |
|----------------------|
| Reference group |
| Duration of exposure |

Derived No Effect Level (DNEL) Worker Long term

| le name: Marabu Textil plus 073, | | |
|----------------------------------|--------------------------------|-------------------------|
| | Version: 11 / | Date revised: 30.04.202 |
| stance number: 17150005073 | Replaces Version: 10 / | Print date: 12.10.2 |
| Route of exposure | inhalative | |
| Mode of action | Local effects | |
| Concentration | 60 | mg/m³ |
| 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 | 43 | 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 | Local effects | |
| Concentration | 12 | mg/m³ |
| | Derived No Effect Level (DNEL) | |
| 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 | 21 | mg/kg/d |
| 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 | 44 | mg/m³ |
| 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 | 12 | mg/m³ |
| Conconnation | .2 | |
| Bronopol (INN) | | |
| 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 | 4,1 | mg/m³ |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| | Short term | |
| Duration of exposure | | |
| Route of exposure | inhalative Svotomia offecto | |
| Mode of action | Systemic effects | m a /m3 |
| Concentration | 12,3 | mg/m³ |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| i tererenee greep | | |

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| rade name: Marabu Textil plus 073, | 50 ml | |
|------------------------------------|--------------------------------|--------------------------|
| • | Version: 11 / | Date revised: 30.04.2020 |
| Substance number: 17150005073 | Replaces Version: 10 / | Print date: 12.10.20 |
| Route of exposure | inhalative | |
| Mode of action | Local effects | |
| Concentration | 4,2 | mg/m³ |
| 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/m³ |
| 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 | | |
| Route of exposure | Long term dermal | |
| Mode of action | Local effects | |
| Concentration | 13 | µg/cm² |
| Concontration | | μg, om |
| 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/cm² |
| 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/m³ |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Short term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 3,7 | mg/m³ |
| 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 | |

| rade name: Marabu Textil plus 073, | 50 ml | |
|------------------------------------|--------------------------------|------------------------------------|
| | Version: 11 / | Marabu Date revised: 30.04.2020 |
| Substance number: 17150005073 | Replaces Version: 10 / | Print date: 12.10.20 |
| Concentration | 1,3 | mg/m³ |
| 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/m³ |
| 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/cm² |
| 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/cm² |
| 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 | |
| Route of exposure | oral | |
| Mode of action | Systemic effects | |
| Concentration | 1,1 | mg/kg/d |
| Predicted No Effect Concen | tration (PNEC) | |
| 2,2'-Oxybisethanol | / | |
| Type of value | PNEC | |
| | | |
| Туре | Freshwater | |

Trade name: Marabu Textil plus 073, 50 ml



Date revised: 30.04.2020 Print date: 12.10.20

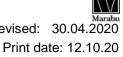
| Substance number: 17150005073 | Replaces Version: 10 / | Print date: 12.10.20 |
|-------------------------------|------------------------------|--------------------------|
| Type of value | PNEC | |
| Туре | Saltwater | |
| Concentration | 1 | mg/l |
| Type of value | PNEC | |
| Туре | Water (intermittent release) | |
| Concentration | 10 | mg/l |
| Type of value | PNEC | |
| Туре | Sewage treatment plant (STP) | |
| Concentration | 199,5 | mg/l |
| Type of value | PNEC | |
| Туре | Freshwater sediment | |
| Concentration | 20,9 | mg/kg |
| Type of value | PNEC | |
| Type | Marine sediment | |
| Concentration | 2,09 | mg/kg |
| | | 3. 3 |
| Type of value | PNEC | |
| Туре | Soil | |
| Concentration | 1,53 | mg/kg |
| Bronopol (INN) | | |
| Type of value | PNEC | |
| Туре | Freshwater | |
| Concentration | 0,01 | mg/l |
| Type of value | PNEC | |
| Туре | Saltwater | |
| Concentration | 0,001 | mg/l |
| Type of value | PNEC | |
| Туре | 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 | |
| Туре | Freshwater sediment | |
| Concentration | 0,041 | mg/kg |
| Type of value | PNEC | |
| Type | Marine sediment | |
| Concentration | 0,003 | mg/kg |
| | | ···· ಶ [·] ·· ಶ |
| Type of value | PNEC | |
| | Soil | |
| Type Concentration | 0,5 | mg/kg |

Version: 11/

Provide adequate ventilation.

| Substance number: 17150005073 | V | ersion: eplaces | 11 / Version: | 10 / | | Date revised: 30.04.2 Print date: 12.10 |
|---------------------------------|-----------------------|--------------------|--------------------|----------|--------------|--|
| SECTION 9: Physical and | chemica | l prop | perties | <u>}</u> | | |
| 9.1. Information on basic phys | sical and | chemi | cal pro | perties | | |
| Form | liquid | | | | | |
| Colour | coloured | | | | | |
| Odour | odourles | iS | | | | |
| Odour threshold | N 1 1 <i>i</i> | | | | | |
| Remarks | No data | available | е | | | |
| pH value | | _ | | | | |
| Value Temperature | | 7 20 | to °C | 9 | | |
| Method | WTW PI | | C | | | |
| Melting point | | | | | | |
| Remarks | not dete | rmined | | | | |
| Freezing point | | | | | | |
| Remarks | not dete | rmined | | | | |
| Initial boiling point and boili | ng range | | | | | |
| Value | | 100 | | | °C | |
| Pressure | | 1.013 | hPa | | | |
| Source | Literatur | e value | | | | |
| Flash point | | | | | | |
| Remarks | Not appl | icable | | | | |
| Evaporation rate (ether = 1) | : | | | | | |
| Remarks | not dete | rmined | | | | |
| Flammability (solid, gas) | | | | | | |
| Not applicable | | | | | | |
| Upper/lower flammability or | - | | | | | |
| Remarks | not dete | rmined | | | | |
| Vapour pressure | | | | | | |
| Value | | 23 | | | hPa | |
| Temperature Method | | 20 kon from | °C n the litera | atura | | |
| | value la | Ken non | | alure | | |
| Vapour density Remarks | not dete | rminod | | | | |
| | not dete | minea | | | | |
| Density | | 4 000 | | | er / e ree 3 | |
| Value Temperature | | 1,220 20 | °C | | g/cm³ | |
| Method | DIN EN | | | | | |
| Solubility in water | | | | | | |
| Remarks | miscible | | | | | |
| Ignition temperature | | | | | | |
| Remarks | not dete | rmined | | | | |
| Viscosity | - | | | | | |
| dynamic | | | | | | |
| Value | | 10000 | to | 25000 | mPa.s | |
| Temperature | : | 20 | °C | | | |
| Method | Brookfie | ld | | | | |
| | | | | | | |

Trade name: Marabu Textil plus 073, 50 ml



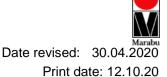
| • | 073, 50 ml | |
|---|--|--|
| | Version: 11 / | Marab Date revised: 30.04.2020 |
| Substance number: 1715000507 | 73 Replaces Version: 1 | 0 / Print date: 12.10.20 |
| 9.2. Other information Other information None known | | |
| ECTION 10: Stability a | and reactivity | |
| 10.1. Reactivity None | | |
| 10.2. Chemical stability No hazardous reactions k | known. | |
| 10.3. Possibility of hazard No hazardous reactions h | | |
| 10.4. Conditions to avoid No hazardous reactions l | known. | |
| 10.5. Incompatible materia None | lls | |
| 10.6. Hazardous decompo No hazardous decompos | | |
| | | |
| ECTION 11: Toxicolog | ical information | |
| 11.1. Information on toxico | ological effects | |
| Acute oral toxicity | | |
| ATE | > 2.000 | mg/kg |
| = | calculated value (Regulation (F | |
| Method | calculated value (Regulation (E | |
| Method Acute oral toxicity (Com | | |
| Method | | |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 | Rats (male/female) 269 | |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method | Rats (male/female) | C) No. 1272/2008) |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol | Rats (male/female) 269 OECD 401 | C) No. 1272/2008) |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method | Rats (male/female) 269 | C) No. 1272/2008) |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species | Rats (male/female) 269 OECD 401 Rats (male/female) | C) No. 1272/2008) mg/kg |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 | Rats (male/female) 269 OECD 401 Rats (male/female) | C) No. 1272/2008) mg/kg mg/kg |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla | C) No. 1272/2008) mg/kg mg/kg |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla | C) No. 1272/2008) mg/kg mg/kg assification criteria are not met. |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla ity Based on available data, the cla | C) No. 1272/2008) mg/kg mg/kg assification criteria are not met. |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit Remarks Acute inhalative toxicity | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla ity Based on available data, the cla | C) No. 1272/2008) mg/kg mg/kg assification criteria are not met. |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit Remarks Acute inhalative toxicity Pyrithione zinc Species | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla ity Based on available data, the cla | C) No. 1272/2008) mg/kg mg/kg assification criteria are not met. |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit Remarks Acute inhalative toxicity Pyrithione zinc Species LC50 | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla ity Based on available data, the cla r (Components) rat 0,84 | C) No. 1272/2008) mg/kg mg/kg assification criteria are not met. |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit Remarks Acute inhalative toxicity Pyrithione zinc Species | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla ity Based on available data, the cla r (Components) rat | C) No. 1272/2008) mg/kg assification criteria are not met. |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit Remarks Acute inhalative toxicity Pyrithione zinc Species LC50 Administration/Form Method | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla ity Based on available data, the cla (Components) rat 0,84 Dust/Mist OECD 403 | C) No. 1272/2008) mg/kg assification criteria are not met. assification criteria are not met. |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit Remarks Acute inhalative toxicity Pyrithione zinc Species LC50 Administration/Form | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the cla ity Based on available data, the cla (Components) rat 0,84 Dust/Mist OECD 403 | C) No. 1272/2008) mg/kg assification criteria are not met. assification criteria are not met. mg/l |
| Method Acute oral toxicity (Com Pyrithione zinc Species LD50 Method 2,2'-Oxybisethanol Species LD50 Acute dermal toxicity Remarks Acute inhalational toxicit Remarks Acute inhalative toxicity Pyrithione zinc Species LC50 Administration/Form Method Skin corrosion/irritation | Rats (male/female) 269 OECD 401 Rats (male/female) > 1000 Based on available data, the classical ity Based on available data, the classical (Components) rat 0,84 Dust/Mist OECD 403 Based on available data, the classical | C) No. 1272/2008) mg/kg assification criteria are not met. assification criteria are not met. mg/l |

Г

Trade name: Marabu Textil plus 073, 50 ml

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| 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 To | oxicity (STOT) |
| Single exposure | |
| Remarks | Based on available data, the classification criteria are not met. |
| Repeated exposure | |

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, but contains substance(s) dangerous for the environment. See section 3 for further details.

Fish toxicity (Components)

| Pyrithione zinc | | | |
|------------------------------|-------------------------------------|---------------|-----------------------|
| Species | rainbow trout (Oncorhynchus mykiss) | | |
| LC50 | 0,14 | | mg/l |
| Duration of exposure | 96 | h | |
| A mixture of: 5-Chloro-2-met | hyl-2h-isothi | iazol-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 trou | it (Oncorhynd | chus mykiss) |
| LC50 | 0,18 | 38 | mg/l |
| Duration of exposure | 96 | h | |
| Bronopol (INN) | | | |
| Species | rainbow trou | it (Oncorhynd | chus mykiss) |
| LC50 | 3 | | mg/l |
| Duration of exposure | 96 | h | |
| Method | OECD 203 | | |
| Bronopol (INN) | | | |
| Species | rainbow trou | it (Oncorhynd | chus mykiss) |
| NOEC | 2,61 | | mg/l |
| Duration of exposure | 28 | d | - |

| rade name: Marabu Textil plus 0 | 73, 50 ml | | | Marat |
|---|--------------------|------------------|--------------------|--------------------------|
| | Vers | sion: 11 / | | Date revised: 30.04.2020 |
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| Method | OECD 203 | | | |
| Daphnia toxicity (Compo | nents) | | | |
| Pyrithione zinc | | | | |
| Species | Daphnia mag | na | | |
| EC50 Duration of exposure | 0,05 48 | h | mg/l | |
| A mixture of: 5-Chloro-2-n | - | | no. 247-500-71 and | 1 |
| 2-Methyl-2H-isothiazol-3-c | | | | - |
| Species | Daphnia mag | | | |
| EC50 Duration of exposure | 0,126 48 | h | mg/l | |
| Bronopol (INN) | 40 | | | |
| Species | Daphnia mag | na | | |
| EC50 | 1,04 | | mg/l | |
| Duration of exposure Method | 48 OECD 202 | h | | |
| Bronopol (INN) | OECD 202 | | | |
| Species | Daphnia mag | na | | |
| NOEC | 0,06 | | mg/l | |
| Duration of exposure | 21 | d | | |
| Method Algae toxicity (Compone | OECD 211 | | | |
| Pyrithione zinc | 11(3) | | | |
| Species | Selenastrum | capricornutum | | |
| IC50 | 0,067 | | mg/l | |
| Duration of exposure | 72 | h | | |
| A mixture of: 5-Chloro-2-n 2-Methyl-2H-isothiazol-3-o Species | ne [EC-no. 220-2 | | | 1 |
| EC50 | 0,027 | | mg/l | |
| Duration of exposure | 72 | h | 3 | |
| Bronopol (INN) | | | | |
| Species EC50 | | eriella subcapit | | |
| Duration of exposure | 0,068 72 | h | mg/l | |
| Method | OECD 201 | | | |
| Bronopol (INN) | | | | |
| Species | | eriella subcapit | | |
| NOEC Duration of exposure | 0,002 72 | 5 h | mg/l | |
| Method | OECD 201 | | | |
| 12.2. Persistence and degr | adabilitv | | | |
| General information | , | | | |
| There are no data availab | e on the mixture i | tself. | | |
| | | | | |
| 12.3. Bioaccumulative potential General information | | | | |
| There are no data availab | e on the mixture i | tself. | | |
| 12.4. Mobility in soil | | | | |
| General information | | | | |
| | | | | |

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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

| | 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

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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 PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the IECSC inventory.

All components are contained in the ECL 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

| zard 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. | | | |
| H412 | Harmful to aquatic life with long lasting effects. | | | |
| Destagarias listed in Chapter 2 | | | | |

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 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| 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. 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.

| Safety data sheet in accordance with regulation (EC) No 1907/2006 | | | | |
|--|--|---|--|--|
| Trade name: Marabu Textil plus 0 | 73, 50 ml Version: <i>1</i> | 11 / | Marabu Date revised: 30.04.2020 | |
| Substance number: 1715000507 | | /ersion: 10 / | Print date: 12.10.20 | |
| It provides guidance on he construed as any guarante The product should not be to the supplier and obtaini As the specific conditions for ensuring that the requi | Replaces A ealth, safety and environree of technical performan e used for purposes other ng written handling instru- of use of the product are rements of relevant legis in this safety data sheet | /ersion: 10 / mental aspects of the nce or suitability for par- than those shown in actions. outside the supplier' lation are complied w does not constitute t | Print date: 12.10.20 e product and should not be articular applications. a Section 1 without first referring 's control, the user is responsible | |
| | | | | |