| Substance number: 17 | 71613036 | Version: 6 / Replaces Version: | | ate revised: 09.01.2020 Print date: 10.01.20 |
|---|---|--|--|---|
| SECTION 1: Iden company/undert | | substance/mi | xture and of the | <u>)</u> |
| 1.1. Product identi Marabu Textil (| fier | | | |
| 1.2. Relevant ident | - | ubstance or mix | ture and uses advi | ised against |
| Use of the substar Paint | | | | |
| 1.3. Details of the | supplier of the safe | etv data sheet | | |
| Address/Manufa Marabu GmbH Asperger Stras 71732 Tamm Germany | acturer & Co. KG se 4 | - | Importer - S&S Wholesale Pty. 18/10 Pioneer Avenu Thornleigh NSW 213 Tel: 1300 731 529 | ue, 20 |
| Telephone no. Fax no. Information pro by / telephone E-mail address person respons for this SDS | of PRSI@marabu | 147 oduct safety | Emergency Contact: S&S Wholesale Pty. Tel: 1300 731 529 | Fax: 1300 739 715 Limited Fax: 1300 739 715 |
| 1.4. Emergency tel (+49) (0)621-60 SECTION 2: Haza 2.1. Classification | ards identificatio | | | |
| This product is | not classified hazardous | | Regulation (EC) No 12 | 72/2008. |
| 2.2. Label element | S | | | |
| Labelling acco EUH208 Conta *** | 5-Chloro-2-met | othiazol-3-one, A mix hyl-2h-isothiazol-3-o othiazol-3-one [EC-n | | |
| Supplemental in | nformation | | | |
| Contains a biod | ding to regulation (E cidal product: A mixture othiazol-3-one [EC-no. 2 | of: 5-Chloro-2-methy | /l-2h-isothiazol-3-one [E | C-no. 247-500-7] and |
| 2.3. Other hazards No special haza | ards have to be mention | ed. | | |
| SECTION 3: Com | nposition/inform | ation on ingre | edients *** | |
| 3.2. Mixtures Chemical chara Paint based on Hazardous ingre | acrylic resins and on w | ater | | |

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

Trade name: Marabu Textil 036, 250 ml

| | Marra |
|--|-----------------|
| | d: 09.01.202 |
| CAS No. 52-51-7 EINECS no. 200-142-0 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 M = 10 Aquatic Chronic 1 H410 M = 1 1 Pyrithione zinc CAS No. 13463-41-7 EINECS no. 236-671-3 Registration no. 01-2119511196-46 Concentration (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute Tox. 3 H301 Acute Tox. 3 H301 Acute Chronic H410 M = 10 1 2-Methyl-2H-isothiazol-3-one CAS No. 2682-20-4 EINECS no. 220-239-6 Concentration Iimits (Regulation (EC) No. 1272/2008) Aquatic Chronic H410 M = 10 1 2-Methyl-2H-isothiazol-3-one CAS No. 2682-20-4 EINECS no. 220-239-6 Concentration < 200-239-6 Concentration (Regulation (EC) No. 1272/2008) Aquatic Chronic H410 M = 10 1 2-Methyl-2H-isothiazol-3-one CAS No. 2682-20-4 EINECS no. 220-239-6 Concentration Iimits (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute | t date: 10.01.2 |
| CAS No. 52-51-7 EINECS no. 200-143-0 Registration no. 01-2119980938-15 Concentration $\geq 0.01 < 0.1$ % 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 H302 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Concentration limits (Regulation (EC) No. 1272/2008) Aquatic Acute 1 H400 M = 10 Aquatic Chronic H410 M = 1 1 Pyrithione zinc CAS No. 13463-41-7 EINECS no. 236-671-3 Registration no. 01-2119511196-46 Concentration (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute Tox. 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 >=0.0015 | |
| Registration no. 01-2119980938-15 Concentration >= 0,01 < 0,1 % Classification (Regulation (EC) No. 1272/2008) Eye Dam.1 H318 Skin Irrit. 2 STOT SE 3 H335 Acute Tox. 4 H302 Acute Tox. 4 H312 Aquatic Acute 1 H400 Maquatic Acute 1 H400 Aquatic Acute 1 H400 Maquatic Acute 1 H400 Maquatic Acute 1 H400 Maquatic Acute 1 H400 Acute Tox. 3 H301 Acute Tox. 3 H301 Acute Tox. 3 H301 Aquatic Acute 1 H400 Aquatic Chronic | |
| $\begin{array}{rcl} \mbox{Concentration} & \geq & 0,01 & < & 0,1 & \% \\ \mbox{Classification} (Regulation (EC) No. 1272/2008) \\ & Eye Dam. 1 & H318 \\ & Skin Irrit. 2 & H315 \\ & Sto TSE 3 & H335 \\ & Acute Tox. 4 & H302 \\ & Acute Tox. 4 & H302 \\ & Acute Tox. 4 & H312 \\ & Aquatic Acute 1 & H400 \\ & Aquatic Chronic 1 & H410 \\ \mbox{Concentration limits} (Regulation (EC) No. 1272/2008) \\ & Aquatic Chronic H410 & M = 10 \\ & Aquatic Chronic H410 & M = 1 \\ 1 \\ \mbox{Pyrithione zinc} \\ \mbox{CAS No. 13463-41-7} \\ \mbox{EiNeCS no. 236-671-3} \\ \mbox{Registration no. 01-2119511196-46} \\ \mbox{Concentration limits} (Regulation (EC) No. 1272/2008) \\ & Acute Tox. 3 & H331 \\ & Eye Dam. 1 & H318 \\ & Aquatic Chronic 1 & H410 \\ \mbox{Acute Tox. 3 } H331 \\ & Eye Dam. 1 & H318 \\ & Aquatic Chronic 1 & H410 \\ \mbox{Aquatic Chronic 1 } H410 \\ \mbox{Concentration limits} (Regulation (EC) No. 1272/2008) \\ & Aquatic Acute 1 & H400 \\ & Aquatic Chronic 1 & H410 \\ \mbox{Concentration limits} (Regulation (EC) No. 1272/2008) \\ & Aquatic Acute 1 & H400 \\ & Aquatic Chronic 1 & H410 \\ \mbox{Concentration limits} (Regulation (EC) No. 1272/2008) \\ & Aquatic Acute 1 & H400 \\ & Aquatic Chronic 1 & H318 \\ & Aquatic Acute 1 & H400 \\ \mbox{Maguatic Acute 1 & H313 \\ \mbox{Acute Tox. 3 & H331 \\ \mbox{Eye Dam. 1 & H318 \\ \mbox{Aquatic Chronic 1 & H311 \\ \mbox{Concentration limits} (Regulation (EC) No. 1272/2008) \\ Acute Tox. 3 & H331 \\ \mbox{Eye Dam. 1 & H318 \\ \mbox{Aquatic Chronic 1 & H410 \\ \mbox{Acute Tox. 3 & H331 \\ \mbox{Eye Dam. 1 & H318 \\ \mbox{Aquatic Acute 1 & H400 \\ \mbox{Skin Sens. 1A & H317 \\ \mbox{Aquatic Chronic 1 & H410 \\ \mbox{Acute Tox. 3 & H331 \\ \mbox{Eye Dam. 1 & H318 \\ \mbox{Aquatic Acute 1 & H400 \\ \mbox{Acute Tox. 3 & H331 \\ \mbox{Eye Dam. 1 & H318 \\ \mbox{Aquatic Chronic 1 & H410 \\ \mbox{Acute Tox. 3 & H331 \\ \mbox{Eye Dam. 1 & H318 \\ \mbox{Aquatic Acute 1 & H400 \\ \mbox{Acute Tox. 3 & H331 \\ \mbox{Acute Tox. 3 &$ | |
| 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 H302 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Concentration limits (Regulation (EC) No. 1272/2008) Aquatic Acute 1 H400 M = 10 Aquatic Chronic H410 M = 1 1 Pyrithione zinc CAS No. 13463-41-7 EINECS no. 236-671-3 Registration no. 01-2119511196-46 Concentration $\gg = 0.01 < 0.025$ % Classification (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute Tox. 3 H301 Acute Tox. 3 H301 Aquatic Acute 1 H400 M = 100 Aquatic Chronic 1 H410 Concentration limits (Regulation (EC) No. 1272/2008) Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Concentration limits (Regulation (EC) No. 1272/2008) Aquatic Acute 1 H400 M = 100 1 2-Methyl-2H-isothiaz0-3one Concentration < 0.0015 % Classification (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute Tox. 3 H301 Acute Tox. 3 H301 Aquatic Chronic 1 H410 Skin Sens. 1A H317 Aquatic Chronic 1 H410 Acute Tox. 3 H301 Acute Tox. 4 H300 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Acute 1 H400 Skin Sens. 1A H317 Aquatic Chronic 1 H410 Acute Tox. 3 H301 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 $> 0,0015$ | |
| 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 Chronic H410 M = 1 1 Pyrithione zinc CAS No. 13463-41-7 EINECS no. 236-671-3 Registration no. 10,01272/2008) Acute Tox. 3 H331 Eye Dam. 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Concentration limits (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute Tox. 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 Aquatic Chronic 1 H410 Acute Tox. 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 Aquatic Chronic 1 H410 Acute Tox. 3 H311 | |
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| 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 Chronic H410 M = 10 Aquatic Chronic H410 M = 1 1 Pyrithione zinc CAS No. 13463-41-7 EINECS no. 236-671-3 Registration no. 01-2119511196-46 Concentration $\Rightarrow = 0,01 < 0,025$ % Classification (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute Tox. 3 H331 Eye Dam. 1 H318 Aquatic Acute 1 H400 M = 10 Aquatic Chronic 1 H410 Concentration limits (Regulation (EC) No. 1272/2008) Aquatic Acute 1 H400 M = 100 Aquatic Chronic H410 M = 10 1 2-Methyl-2H-isothiazol-3-one CAS No. 2682-20-4 EINECS no. 220-239-6 Concentration (Regulation (EC) No. 1272/2008) Acute Tox. 3 H301 Acute Tox. 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 >=0,0015 | |
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| CAS No. 13463-41-7 EINECS no. 236-671-3 Registration no. 01-2119511196-46 Concentration >= 0,01 < 0,025 % | |
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| 1 2-Methyl-2H-isothiazol-3-one CAS No. 2682-20-4 EINECS no. 220-239-6 Concentration < 0,0015 % | |
| CAS No. 2682-20-4 EINECS no. 220-239-6 Concentration < 0,0015 % | |
| EINECS no. 220-239-6 Concentration < 0,0015 % | |
| 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 | |
| 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 | |
| Acute Tox. 3H301Acute Tox. 2H330Skin Corr. 1BH314Eye Dam. 1H318Aquatic Acute 1H400Skin Sens. 1AH317Aquatic Chronic 1H410Acute Tox. 3H311Concentration limits (Regulation (EC) No. 1272/2008)Skin Sens. 1AH317>= 0,0015 | |
| Acute Tox. 3H301Acute Tox. 2H330Skin Corr. 1BH314Eye Dam. 1H318Aquatic Acute 1H400Skin Sens. 1AH317Aquatic Chronic 1H410Acute Tox. 3H311Concentration limits (Regulation (EC) No. 1272/2008)Skin Sens. 1AH317>= 0,0015 | |
| Acute Tox. 2H330Skin Corr. 1BH314Eye Dam. 1H318Aquatic Acute 1H400Skin Sens. 1AH317Aquatic Chronic 1H410Acute Tox. 3H311Concentration limits (Regulation (EC) No. 1272/2008)Skin Sens. 1AH317>= 0,0015 | |
| Skin Corr. 1BH314Eye Dam. 1H318Aquatic Acute 1H400Skin Sens. 1AH317Aquatic Chronic 1H410Acute Tox. 3H311Concentration limits (Regulation (EC) No. 1272/2008)Skin Sens. 1AH317>= 0,0015 | |
| Eye Dam. 1H318 H400 Skin Sens. 1AAquatic Acute 1H400 Skin Sens. 1AAquatic Chronic 1H410 Acute Tox. 3Acute Tox. 3H311Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A $H317 >= 0,0015$ | |
| Aquatic Acute 1H400Skin Sens. 1AH317Aquatic Chronic 1H410Acute Tox. 3H311Concentration limits (Regulation (EC) No. 1272/2008)Skin Sens. 1AH317>= 0,0015 | |
| 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 Chronic 1 H410 Acute Tox. 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 >= 0,0015 | |
| Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 >= 0,0015 | |
| Skin Sens. 1A H317 >= 0,0015 | |
| Skin Sens. 1A H317 >= 0,0015 | |
| · · · · · · · · · · · · · · · · · · · | |
| | |
| 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) | |

| Trade name: Marabu Textil | 036_250 ml | | | | | Ň |
|---|---------------------------------------|--------------|--------------|--------------------------|--------------|------------------------------------|
| Hade hame. Maraba rextin | 000, 200 mi | Version: | 6 / | | | Marabu Date revised: 09.01.2020 |
| Substance number: 171613 | 8036 | Replaces | s Versio | n: 5/W0 | ORLD | Print date: 10.01.20 |
| Concentration | | | < | 0,0015 | % | |
| Classification (Regu | | 72/2008) | | | | |
| | Acute Tox. 3 | . 1 | H331 | | | |
| | Aquatic Chronic Aquatic Acute 1 | | H410 H400 | | | |
| | Skin Sens. 1 | | H317 | | | |
| | Skin Corr. 1B | | H314 | | | |
| | Acute Tox. 3 | | H311 | | | |
| | Acute Tox. 3 | | H301 | | | |
| Concentration limits | | | | | | |
| | Skin Corr. 1B Eye Irrit. 2 | H314 H319 | |),6),06 < 0,6 | | |
| | Skin Irrit. 2 | H315 | <= (|),00 < 0,0),06 < 0,6 | | |
| | Skin Sens. 1 | H317 | |),00 < 0,0),0015 | | |
| ECTION 4: First aid | measures | | | | | |
| | | | | | | |
| 4.1. Description of firs | t alu measures | | | | | |
| After skin contact | | | | | | |
| Wash with plenty of | water and soap. D | o NOT us | e solven | ts or thin | ners. | |
| After eye contact | | | | | | |
| Separate eyelids, wa | ash the eyes thoro | ughly with | water (? | 15 min.). I | n case of | irritation consult an oculist. |
| After ingestion | | | | | | |
| Rinse mouth thoroug medical treatment. | ghly with water. If la | arger amo | ounts are | swallowe | ed or in the | e event of symptoms take |
| 4.2. Most important sy Until now no sympto | - | ffects, k | ooth ac | ute and | d delaye | d |
| 4.3. Indication of any i | mmediate med | lical atte | ention | and spe | ecial trea | atment needed |
| Hints for the physic | ian / treatment | | | - | | |
| Treat symptomatical | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | | | |
| SECTION 5: Firefigh | ting measur | <u>es</u> | | | | |
| 5.1. Extinguishing med | dia | | | | | |
| Suitable extinguishi | ng media | | | | | |
| Carbon dioxide, Foa | • | | | | | |
| 5.2. Special hazards a | rising from the | | | | | |
| In the event of fire th black smoke | e tollowing can be | released: | Carbon | monoxid | e (CO); Ca | arbon dioxide (CO2); dense |
| 5.3. Advice for firefigh | ters | | | | | |
| Other information Collect contaminated | d fire-fighting wate | r separate | ly, must | not be di | scharged i | into the drains. |
| SECTION 6: Accide | ntal roloaco r | nosein | 'DC | | | |
| | | | | ad amer | | rooduroo |
| 6.1. Personal precaution | res required. | equipn | ient af | ia einei | gency p | noceaures |
| 6.2 Environmental pre | | | | | | |

6.2. Environmental precautions

| Safety data sheet in | accordance with | regulation (EC) No 1907/20 | 006 | |
|-------------------------------|--------------------|---|-------------------|------------------------------------|
| Trade name: Marabu | ı Textil 036_250 m | I | | |
| made name. Marabe | | Version: 6 / | | Marabu Date revised: 09.01.2020 |
| Substance number: | 171613036 | Replaces Version: | 5 / WORLD | Print date: 10.01.20 |
| | | | | |
| No particular | measures required | d. | | |
| | | ontainment and cleani nt - avoid use of solvents. | ng up | |
| | egarding Safe han | S dling, see Section 7. Informa rding waste disposal, see Se | | rsonal protective measures, |
| SECTION 7: Ha | ndling and s | torage | | |
| 7.1. Precautions | for safe handli | ing | | |
| Advice on saf | | 0 | | |
| | • | oking, eating and drinking sh | all be prohibited | in application area. |
| | | fire and explosion | | |
| • | easures required. | | | |
| 7.2. Conditions f | or safe storade | e, including any incom | patibilities | |
| Requirements | • | oms and vessels | | |
| 7.3. Specific end | | | | |
| Paint | use(s) | | | |
| | | | | |
| SECTION 8: Ex | posure cont | rols/personal prote | <u>ction</u> | |
| 8.1. Control para | meters | | | |
| Other informa | | | | |
| There are no | t known any furthe | r control parameters. | | |
| Derived No/M | inimal Effect Le | vels (DNEL/DMEL) | | |
| Bronopol (INN | J) | | | |
| Type of value | | Derived No Effect Level (D | NEL) | |
| Reference gi | | Worker | | |
| Duration of e Route of exp | | Long term inhalative | | |
| Mode of action | | Systemic effects | | |
| Concentratio | | 4,1 | rr | ıg/m³ |
| Type of value | 2 | Derived No Effect Level (D | | |
| Reference gi | | Worker | | |
| Duration of e | | Short term | | |
| Route of exp | | inhalative | | |
| Mode of action | | Systemic effects | | |
| Concentratio | n | 12,3 | rr | ıg/m³ |
| Type of value | Э | Derived No Effect Level (D | NEL) | |
| Reference gi | | Worker | , | |
| Duration of e | xposure | Long term | | |
| Route of exp | osure | inhalative | | |
| Mode of action | | Local effects | | |
| Concentratio | n | 4,2 | r | ng/m³ |
| Type of value | Э | Derived No Effect Level (D | NEL) | |
| Reference gi | roup | Worker | , | |
| Duration of e | | Short term | | |
| Route of exp | osure | inhalative | | |

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

Trade name: Marabu Textil 036, 250 ml

Date revised: 09.01.2020

| | Version: 6 / | Date revised: 09.01.2020 |
|-------------------------------------|--------------------------------|--------------------------|
| Substance number: 171613036 | Replaces Version: 5 / WORLD | Print date: 10.01.20 |
| Mode of action | Local effects | |
| Concentration | 4,2 | mg/m³ |
| | , | 5 |
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure Mode of action | dermal | |
| Concentration | Systemic effects 2,3 | mg/kg/d |
| Concentration | 2,5 | ing/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/cm² |
| 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 | |
| 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 |
| | | |

Version: 6 /

| Frade name: Marabu Textil 036, 250 | ml | |
|---|--------------------------------|------------------------------------|
| | Version: 6 / | Marabu Date revised: 09.01.2020 |
| Substance number: 171613036 | Replaces Version: 5 / WORLD | Print date: 10.01.20 |
| 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 dermal | |
| Route of exposure 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 Route of exposure | Long term 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 Mode of action | oral Systemic effects | |
| Concentration | 1,1 | mg/kg/d |
| Dradiated No. Effect Concern | | |
| Predicted No Effect Concen | tration (PNEC) | |
| Bronopol (INN) | PNEC | |
| Type of value Type | Freshwater | |
| Concentration | 0,01 | mg/l |
| Type of value | PNEC | |
| Type | Saltwater | |
| Concentration | 0,001 | mg/l |
| Type of value | PNEC | |
| Туре | Water (intermittent release) | |
| Concentration | 0,003 | mg/l |

| Safety data sheet in accordance with | regulati | on (EC) No | 1907/2 | 006 | |
|---|---------------|---------------------------|---------|----------|--|
| Trade name: Marabu Textil 036, 250 m | - | Version: 6 | | | |
| Substance number: 171613036 | | Version: 6 Replaces Ve | | 5 / WORL | Date revised: 09.01.20 D Print date: 10.01. |
| Type of value | PNEC | | | | |
| Type Concentration | Sewag | e treatment 0,43 | plant (| STP) | mg/l |
| Type of value | PNEC | | | | , |
| Туре | | vater sedime | ent | | |
| Concentration | | 0,041 | | | mg/kg |
| Type of value | PNEC | | | | |
| Type Concentration | Marine | sediment 0,003 | | | mg/kg |
| | | -, | | | |
| Type of value Type | PNEC Soil | | | | |
| Concentration | | 0,5 | | | mg/kg |
| 8.2. Exposure controls | | | | | |
| Exposure controls | | | | | |
| Provide adequate ventilation. | | | | | |
| | | - I | | | |
| SECTION 9: Physical and c | nemic | al prope | erties | - | |
| 9.1. Information on basic physi | | d chemica | al pro | perties | |
| Form Colour | Pasty coloure | ed. | | | |
| Odour | odourle | | | | |
| Odour threshold | | | | | |
| Remarks | No dat | a available | | | |
| pH value | | | | _ | |
| Value Temperature | | 8 20 | to ℃ | 9 | |
| Method | WTW I | 20 PH 340 | C | | |
| Melting point | | | | | |
| Remarks | not det | ermined | | | |
| Freezing point | | | | | |
| Remarks | not det | ermined | | | |
| Initial boiling point and boilin | g range | | | | |
| Value | appr. | 100 | L D - | | °C |
| Pressure Source | Literati | 1.013 ure value | hPa | | |
| Flash point | | | | | |
| Remarks | Not ap | plicable | | | |
| Evaporation rate (ether = 1) : | | | | | |
| Remarks | not det | ermined | | | |
| Flammability (solid, gas) Not applicable | | | | | |
| Upper/lower flammability or e | xplosiv | e limits | | | |
| Remarks | - | ermined | | | |
| Vapour pressure | | | | | |
| Value | appr. | 23 | | | hPa |
| Temperature | | 20 | °C | | |

| Trade name: Marabu Textil 036, 2 | 250 ml | |
|--|---|------------------------------------|
| | Version: 6 / | Marabu Date revised: 09.01.2020 |
| Substance number: 171613036 | Replaces Version: 5 / WORLD | Print date: 10.01.20 |
| Method | Value taken from the literature | |
| Vapour density | | |
| Remarks | not determined | |
| Density | | |
| Value | 1,010 g/cm ³ | |
| Temperature | | |
| Method | DIN EN ISO 2811 | |
| Solubility in water | | |
| Remarks | miscible | |
| Ignition temperature | | |
| Remarks | not determined | |
| Viscosity | | |
| Remarks | | |
| Remarks | not determined | |
| 9.2. Other information | | |
| Other information | | |
| None known | | |
| | | |
| SECTION 10: Stability a | nd reactivity | |
| 10.1. Reactivity | | |
| None | | |
| 10.2. Chemical stability | | |
| No hazardous reactions k | nown. | |
| | | |
| 10.3. Possibility of hazardo No hazardous reactions k | | |
| | nown. | |
| 10.4. Conditions to avoid No hazardous reactions k | nown. | |
| 10.5. Incompatible material | ls | |
| None | | |
| 10.6. Hazardous decompos | sition products | |
| No hazardous decomposi | | |
| • | | |
| | | |
| SECTION 11: Toxicolog | ical information | |
| SECTION 11: Toxicolog | | |
| 11.1. Information on toxico | | |
| 11.1. Information on toxico Acute oral toxicity | ological effects | |
| 11.1. Information on toxico Acute oral toxicity Remarks | Based on available data, the classification criter | ria are not met. |
| 11.1. Information on toxico Acute oral toxicity | Based on available data, the classification criter | ria are not met. |
| 11.1. Information on toxico Acute oral toxicity Remarks Acute oral toxicity (Comp Pyrithione zinc | Based on available data, the classification criter | ria are not met. |
| 11.1. Information on toxico Acute oral toxicity Remarks Acute oral toxicity (Comp Pyrithione zinc Species | Based on available data, the classification criter ponents) Rats (male/female) | ria are not met. |
| 11.1. Information on toxico Acute oral toxicity Remarks Acute oral toxicity (Comp Pyrithione zinc Species LD50 | Based on available data, the classification criter ponents) Rats (male/female) 269 mg/kg | ria are not met. |
| 11.1. Information on toxico Acute oral toxicity Remarks Acute oral toxicity (Comp Pyrithione zinc Species LD50 Method | Based on available data, the classification criter ponents) Rats (male/female) | ria are not met. |
| 11.1. Information on toxico Acute oral toxicity Remarks Acute oral toxicity (Comp Pyrithione zinc Species LD50 Method Acute dermal toxicity | Based on available data, the classification criter ponents) Rats (male/female) 269 mg/kg OECD 401 | |
| 11.1. Information on toxico Acute oral toxicity Remarks Acute oral toxicity (Comp Pyrithione zinc Species LD50 Method Acute dermal toxicity Remarks | Based on available data, the classification criter ponents) Rats (male/female) 269 mg/kg OECD 401 Based on available data, the classification criter | |
| 11.1. Information on toxico Acute oral toxicity Remarks Acute oral toxicity (Comp Pyrithione zinc Species LD50 Method Acute dermal toxicity | Based on available data, the classification criter ponents) Rats (male/female) 269 mg/kg OECD 401 Based on available data, the classification criter | ria are not met. |

| Safety data sheet in accordance w | vith regula | ation (EC) | No 1907/2 | 2006 | | | |
|--|--------------|---------------|--------------|------------|----------------|-----------------|---------------|
| Trade name: Marabu Textil 036, 25 | 0 ml | Version: | 6/ | | | Date revised: | |
| Substance number: 171613036 | | | s Version: | 5 / WOF | RLD | | ate: 10.01.20 |
| Acute inhalative toxicity (| Compone | ents) | | | | | |
| Pyrithione zinc | | | | | | | |
| Species | rat | 0.04 | | | | | |
| LC50 Administration/Form | Dust/Mis | 0,84 st | | | mg/l | | |
| Method | OECD 4 | | | | | | |
| Skin corrosion/irritation | | | | | | | |
| Remarks | Based o | n availabl | e data, the | classifica | tion criteria | are not met. | |
| Serious eye damage/irritat | tion | | | | | | |
| Remarks | | n availabl | e data, the | classifica | tion criteria | are not met. | |
| Sensitization | | | | | | | |
| Remarks | Based o | n availabl | e data, the | classifica | tion criteria | are not met. | |
| Mutagenicity | | | | | | | |
| Remarks | Based o | n availabl | e data, the | classifica | tion criteria | are not met. | |
| Reproductive toxicity | | | | | | | |
| Remarks | Based o | n availabl | e data, the | classifica | tion criteria | are not met. | |
| Carcinogenicity | | | | | | | |
| Remarks | Based o | n availabl | e data, the | classifica | tion criteria | are not met. | |
| Specific Target Organ Tox | cicity (ST | OT) | | | | | |
| Single exposure | | , | | | | | |
| Remarks | Based o | n availabl | e data, the | classifica | ition criteria | are not met. | |
| Repeated exposure Remarks | Based o | n availabl | e data, the | classifica | ition criteria | are not met. | |
| Aspiration hazard | | | | | | | |
| Based on available data, the | e classifica | ation criteri | ia are not n | net. | | | |
| Experience in practice | | | | | | | |
| Provided all the recommend risk to health can be expect | | tive and sa | afety preca | utions are | e taken, exp | erience shows t | hat no |
| 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 | informa | ation | | | | | |
| 12.1. Toxicity | | | | | | | |
| General information | | | | | | | |
| There are no data available | on the mix | kture itself | .Do not allo | ow to ente | er drains or v | water courses.T | he |
| mixture has been assessed and is not classified as dang | following t | the summa | ation metho | | | | |
| Fish toxicity (Components | 5) | | | | | | |
| Pyrithione zinc | | | | | | | |
| Species | | | corhynchus | s mykiss) | | | |
| LC50 Duration of experience | | 0,14 06 | h | | mg/l | | |
| Duration of exposure Bronopol (INN) | | 96 | h | | | | |
| Bronopol (INN) Species | rainbow | trout (Ond | corhynchus | mykiss) | | | |
| LC50 | | 3 | - | ,) | mg/l | | |
| Duration of exposure | | 96 | h | | | | |

| ade name: Marabu Textil 036, 25 | 50 ml | | | Mar |
|---|--|-----------------|---------------------------|-------------------------|
| | Versio | n: 6/ | | Date revised: 09.01.202 |
| ubstance number: 171613036 | Repla | ces Version: | 5 / WORLD | Print date: 10.01.2 |
| Method | OECD 203 | | | |
| Bronopol (INN) | | | | |
| Species NOEC | rainbow trout (O | ncorhynchus | • • | |
| NOEC Duration of exposure Method | 2,61 28 OECD 203 | d | mg/l | |
| A mixture of: 5-Chloro-2-m | | I-3-one [EC- | no 247-500-71 and | |
| 2-Methyl-2H-isothiazol-3-or Species | ne [EC-no. 220-239 rainbow trout (O | 9-6] (3:1) / C(| M)IT/MIT (3:1) mykiss) | |
| LC50 | 0,188 | | mg/l | |
| Duration of exposure | 96 | h | | |
| Daphnia toxicity (Compor | nents) | | | |
| Pyrithione zinc | | | | |
| Species | Daphnia magna | | " | |
| EC50 Duration of exposure | 0,05 48 | h | mg/l | |
| • | 40 | 11 | | |
| Bronopol (INN) Species | Daphnia magna | | | |
| EC50 | 1,04 | | mg/l | |
| Duration of exposure | 48 | h | 3 | |
| Method | OECD 202 | | | |
| Bronopol (INN) | | | | |
| Species | Daphnia magna | | | |
| NOEC Duration of exposure | 0,06 21 | d | mg/l | |
| Method | OECD 211 | u | | |
| A mixture of: 5-Chloro-2-m | ethyl-2h-isothiazo | I-3-one [EC- | no. 247-500-7] and | |
| 2-Methyl-2H-isothiazol-3-or | ne [EC-no. 220-239 | 9-6] (3:1) / C(| | |
| | Daphnia magna | | ···· •· // | |
| EC50 Duration of exposure | 0,126 48 | h | mg/l | |
| • | | | | |
| Algae toxicity (Componer | its) | | | |
| Pyrithione zinc | | | | |
| Species IC50 | Selenastrum ca 0,067 | pricornutum | mg/l | |
| Duration of exposure | 72 | h | iiig/i | |
| Bronopol (INN) | _ | | | |
| Species | Pseudokirchneri | ella subcapit | ata | |
| EC50 | 0,068 | | mg/l | |
| Duration of exposure Method | 72 OECD 201 | h | | |
| Bronopol (INN) | Doordokinska | alla aub '' | oto | |
| Species NOEC | Pseudokirchneri 0,0025 | ena subcapit | ata mg/l | |
| Duration of exposure Method | 72 OECD 201 | h | iiig/i | |
| A mixture of: 5-Chloro-2-m 2-Methyl-2H-isothiazol-3-or | ne [EC-no. 220-239 | 9-6] (3:1) / C(| | |
| Species | Selenastrum ca | pricornutum | | |
| 1 1 1 | 0,027 | | mg/l | |
| EC50 Duration of exposure | 72 | h | | |

| | Safety data sheet in accord | ance with regulation (EC) | No 1907/2006 | | | | |
|---|-------------------------------|---------------------------------|-------------------------------|---|--|--|--|
| Substance number: 171613036 Replaces Version: 5 / WORLD Print date: 10.01.2 There are no data available on the mixture itself. 13.3 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. 13.6 Results of PBT and vPvB assessment General information There are no data available on the mixture itself. 13.6 Other adverse effects General information There are no data available on the mixture itself. 14.0 There are no data available on the mixture itself. 15.0 Other adverse effects General information 15.1 Waste treatment methods Disposal recommendations for the product The product can be placed with other household refuse. Small residues in containers can be washed-out with water and put into the drainage system. Disposal recommendations for packaging Cannot be cleaned should be disposed off as product waste. Completely emptied packagings can be given for recycling. SECTION 14: Transport information The product does not constitute a hazardoue subdance in and haz | Trade name: Marabu Textil | 036, 250 ml | | Maral | | | |
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Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Marabu Textil 036, 250 ml

Version: 6 /

Date revised: 09.01.2020 Print date: 10.01.20

Substance number: 171613036

Replaces Version: 5 / WORLD

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

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 IECSC inventory.

All components are contained in the ECL inventory.

All components are contained in the TSCA inventory or exempted.

All components are contained in the DSL or NDSL 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. |
| 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. |
| | |

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 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| 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: ***

| Trade name: Marabu Textil 036, 250 ml | | | |
|--|--|--|--|
| Substance number 171612026 | Version: 6 / | Date revised: 09.01.2020 Print date: 10.01.20 | |
| Substance number: 171613036 | Replaces Version: 5 / WORLD | | |
| guarantee for any specific produ The information in this Safety Da legislation. It provides guidance on health, s construed as any guarantee of t The product should not be used to the supplier and obtaining wri As the specific conditions of use for ensuring that the requiremen The information contained in this | r present state of knowledge. However, it sh ict properties and shall not establish a legal ata Sheet is based on the present state of k safety and environmental aspects of the pro- echnical performance or suitability for partic for purposes other than those shown in Se tten handling instructions. • of the product are outside the supplier's co ts of relevant legislation are complied with. safety data sheet does not constitute the o other health and safety legislation. | ly valid relationship. nowledge and current oduct and should not be cular applications. ction 1 without first referring ontrol, the user is responsible | |