Trade name: Marabu Pouring	Fluid, 250 ml				\mathbf{N}
	,	Version:	3 /		Date revised: 24.01.2020
Substance number: 1232001	3885	Replaces	Version:	2 / WORLD	Print date: 12.10.20
		•		_	
SECTION 1: Identification company/undertaking		e substar	<u>nce/mi</u>	xture and o	<u>it the</u>
1.1. Product identifier Marabu Pouring Fluid	_				
1.2. Relevant identified	uses of the	substance	or mix	ture and uses	s advised against
Use of the substance/p Painting agent	reparation				
1.3. Details of the suppl	ier of the sa	fety data s	sheet		
Address/Manufacture Marabu GmbH & Co. Asperger Strasse 4 71732 Tamm Germany Telephone no. Fax no. Information provided by / telephone E-mail address of person responsible for this SDS		-147 roduct safety		18/10 Pioneer Thornleigh N Tel: 1300 731 S Emergency Co	SW 2120 529 Fax: 1300 739 715 ontact: le Pty. Limited
1.4. Emergency telepho (+49) (0)621-60-4333					
SECTION 2: Hazards	identificat	<u>ion</u>			
2.1. Classification of the This product is not cla				Regulation (EC)	No 1272/2008.
2.2. Label elements					
Labelling according	g to regulation	on (EC) No	1272/2	8008	
EUH208 Contains		sothiazol-3-o	ne [EC-n		EC-no. 247-500-7] and 1) / C(M)IT/MIT (3:1), May
Supplemental inform	ation				
Labelling according t Contains a biocidal pr 2-Methyl-2H-isothiazo	oduct: A mixture	e of: 5-Chlord	o-2-methy		one [EC-no. 247-500-7] and
2.3. Other hazards No special hazards ha	ave to be mentio	oned.			
SECTION 3: Compos	ition/inforr	mation or	n ingre	edients ***	
3.2. Mixtures					
Chemical characteriz Auxiliary based on wa Hazardous ingredien	iter				
Bronopol (INN)					

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

	ouring Fluid, 250 ml					Mara
		Version:	3 /			Date revised: 24.01.202
Substance number: 123	320013885	Replace	s Versio	n: 2/WC	RLD	Print date: 12.10.2
CAS No.	52-51-7					
EINECS no.	200-143-0					
Registration no.						
Concentration	>=	0,01	<	0,1	%	
Classification (R	egulation (EC) No. 12	272/2008)				
	Eye Dam. 1		H318			
	Skin Irrit. 2		H315			
	STOT SE 3		H335			
	Acute Tox. 4		H302			
	Acute Tox. 4		H312			
	Aquatic Acute		H400			
	Aquatic Chron	ic 1	H410			
Concentration li	mits (Regulation (EC)					
	Aquatic Acute			-		
	Aquatic Chron	ic H410	M =	1		
A mixture of: 5-C	hloro-2-methyl-2h-is	sothiazol-3	one [E	C-no. 247	-500-71 and	
	hiazol-3-one [EC-no.					
CAS No.	55965-84-9			- () -	(-)	
Concentration	>=	0,001	<	0,0015	%	
Classification (P	equilation (EC) No. 11	0000/2000				
Classification (R	egulation (EC) No. 12 Acute Tox. 2	272/2008)	H330			
		ia 1	H330 H410			
	Aquatic Chron Aquatic Acute					
	Skin Sens. 1A		H400			
	Skin Corr. 1C		H317 H314			
	Acute Tox. 2		H314 H310			
	Acute Tox. 2 Acute Tox. 3		H301			
Concentration li	mits (Regulation (EC)	No 1272/	2008)			
Concentration II	Skin Corr. 1C	H314		16		
	Eye Irrit. 2	H319),06 < 0,6		
	Skin Irrit. 2	H315		0,00 < 0,0 0,06 < 0,6		
	Skin Sens. 1	H317),00 < 0,0),0015		
	Aquatic Acute	1 4/10	>= C M =			
	Aquatic Chron 1		111 =	100		
ECTION 4: First	aid measures					
4.1. Description of		S				
After skin contac	ct					
Wash with plent	y of water and soap. [Do NOT us	e solven	ts or thinn	ers.	
After eye contac	t					
•		oughly with	water (1	15 min.). Ir	case of irrit	ation consult an oculist.
After ingestion			```	,		
•		larger amo	ounts are	swallowe	d or in the ev	vent of symptoms take
	t symptoms and	effects. k	ooth ac	ute and	delayed	
1.2. Most important Until now no syr	nptoms known so far.				-	

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

Trade name: Marabu Pouring Fluid, 250 ml

Substance number: 12320013885

Replaces Version: 2 / WORLD

Version: 3 /

Date revised: 24.01.2020 Print date: 12.10.20

Hints for the physician / treatment

Treat symptomatically

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 monoxide (CO); Carbon dioxide (CO2); dense black smoke

5.3. Advice for firefighters

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures No particular measures required.

6.2. Environmental precautions

No particular measures required.

6.3. Methods and material for containment and cleaning up Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid skin and eye contact. Smoking, eating and drinking shall be prohibited in application area.

Advice on protection against fire and explosion

No special measures required.

Classification of fires / temperature class / Ignition group / Dust explosion class Temperature class T2

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) Painting agent

SECTION 8: Exposure controls/personal protection ***

8.1. Control parameters

Other information

There are not known any further control parameters.

Trade name: Marabu Pouring Fluid,	250 ml	Marab
	Version: 3 /	Date revised: 24.01.2020
Substance number: 12320013885	Replaces Version: 2 / WORLD	Print date: 12.10.20
Derived No/Minimal Effect	Levels (DNEL/DMEL) ***	
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	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	12,3	mg/m³
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	4.0
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	m g/m 3
Concentration	4,2	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure Mode of action	dermal Systemic effects	
Concentration	2,3	mg/kg/d
Concentration	2,3	mg/kg/u
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure Mode of action	dermal	
Concentration	Systemic effects 7	mg/kg/d
Concentration	1	mg/kg/u
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	1 2
Concentration	13	µg/cm²

Trade name: Marabu Pouring Fluid, 2	250 ml	N
	Version: 3 /	Marab Date revised: 24.01.2020
Substance number: 12320013885	Replaces Version: 2 / WORLD	Print date: 12.10.20
Type of value	Derived No Effect Level (DNEL) Consumer	
Reference group 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
	0,1	····g/····
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
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)	

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Frade name: Marabu Pouring Fluid, 25	50 ml	\mathbf{N}
,	Version: 3/	Marabu Date revised: 24.01.2020
Substance number: 12320013885	Replaces Version: 2 / WORLD	Print date: 12.10.20
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	<i></i>
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 Concent	ration (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
	PNEC	-
Type of value	-	
Type Concentration	Sewage treatment plant (STP) 0,43	mg/l
	DNEO	-
Type of value	PNEC Freshwater sediment	
Type Concentration		malla
Concentration	0,041	mg/kg
Type of value	PNEC	
Туре	Marine sediment	
Concentration	0,003	mg/kg
Type of value	PNEC	
Туре	Soil	
Concentration	0,5	mg/kg
8.2. Exposure controls		
Exposure controls		
Provide adequate ventilation.		
SECTION 9: Physical and c		
9.1. Information on basic phys		
Form	liquid	
Colour	white	
Odour	characteristic	
Odour threshold		
Remarks	No data available	

pH value 8 to 10 Temperature 20 °C Method WTW PH 340 Mething point Remarks not determined Remarks not determined 7C Pressure 101 7C Pressure 101 7C Pressure 101 7C Pressure 101 100 Source Literature value 7C Pressure 1013 hPa Source Literature value 7C Pressure 1013 hPa Source Literature value 7C Pressure 1013 hPa Source Literature value 7C Pressure not determined 7C Remarks not determined 7C Pressure value appr. 23 hPa Tomperature 20 °C °C Value appr. 1,1 g/cm ³ Solubility in water Remarks not determined 7C Yalue Value appr.	ubstance number: 12320013885		Version:	3/			Date revised: 24.01.202
Value 8 to 10 Temperature 20 "C Method WTW PH 340 Mething point Remarks not determined Remarks not determined Initial boiling point and boiling range Value appr. 100 "C Pressure 1.013 hPa Source Literature value Flash point Remarks Remarks Not applicable Evaporation rate (ether = 1) : Remarks Remarks not determined Flammability (solid, gas) Not applicable Not applicable Upper/lower flammability or explosive limits Remarks not determined Value appr. 23 hPa Yalue appr. 23 hPa Value appr. 1.1 g/cm ³ Solubility in water Remarks not determined Pensity appr. 1.1 g/cm ³ Solubility in water Remarks not determined Remarks not determined Density Value appr. 1.1 g/cm ³ Solubility in water Remarks not determined Remarks not determined Density Value > 400 "			Replaces	Version:	2 / WOF	RLD	Print date: 12.10.2
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None 0.2. Chemical stability	ECTION TO: Stability and	reacti	vity				
	•						
		٦.					

Substance number: 12320013885 Replaces Version: 2 / WORLD Prival 10.4. Conditions to avoid No hazardous reactions known. None 10.5. Incompatible materials None None 10.6. Hazardous decomposition products No hazardous decomposition products known. SECTION 11: Toxicological information 11.1. Information on toxicological effects Acute oral toxicity Remarks Based on available data, the classification criteria are not me Acute inhalational toxicity Remarks Remarks Based on available data, the classification criteria are not me Skin corrosion/irritation Remarks Based on available data, the classification criteria are not me Serious eye damage/irritation Remarks Remarks Based on available data, the classification criteria are not me Sensitization Remarks Based on available data, the classification criteria are not me Sensitization Remarks Based on available data, the classification criteria are not me Sensitization Remarks Based on available data, the classification criteria are not me Sensitization Remarks Based on available data, the classification criteria are not me Sensitization Remarks Based on available data, the classification criteria are not me Seporticity Remarks Based on available data, the classification criteria are not me Seporticit Target Organ Toxicity (STOT) Single exposure Remarks	
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risk to health can be expected.	
Other information	ows that 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 1272/2008 and classified for toxicological hazards accordingly.	;) No
SECTION 12: Ecological information	

12.1. Toxicity

General information

rade name. Marab	u Pouring Fluid, 2	250 ml					Maral
		V	ersion:	3 /		Date revised:	24.01.202
Substance number:	12320013885	R	Replaces	Version:	2 / WORLD	Print date	e: 12.10.2
mixture has		ollowing the	summat	ion metho		ins or water courses.Th Regulation (EC) No 127	
Fish toxicity	(Components)						
	5-Chloro-2-met sothiazol-3-one	[EC-no. 22	0-239-6]	(3:1) / C((M)IT/MIT (3:1)		
Species		rainbow tro	•	orhynchus	• /		
LC50		0,1		h	mg/l		
Duration of e	•	96		h			
Bronopol (INI Species	N)	rainbow tro	ut (Onco	rhypehue	mykice		
LC50		3		Infigure	mg/l		
Duration of e	exposure	96		h	iiig/i		
Method		OECD 203					
Bronopol (INI	N)						
Species		rainbow tro	ut (Onco	rhynchus	s mykiss)		
NOEC		2,6			mg/l		
Duration of e	exposure	28		d			
Method		OECD 203					
Daphnia toxic	city (Compone	ents)					
	5-Chloro-2-met sothiazol-3-one						
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Safety data sheet in accordance with regulation (EC) No 1907/2006						
Trade name: Marabu Pourin	-	0 /				
Substance number: 123200	Version: 013885 Replaces	37 S Version: 2/WORLD	Date revised: 24.01.2020 Print date: 12.10.20			
There are no data available on the mixture itself.						
12.3. Bioaccumulative	•					
General information There are no data av	vailable on the mixture itself.					
12.4. Mobility in soil						
General information There are no data a	vailable on the mixture itself.					
12.5. Results of PBT a	nd vPvB assessment					
General information There are no data a	vailable on the mixture itself.					
12.6. Other adverse ef						
General information	vailable on the mixture itself.					
SECTION 13: Dispos						
13.1. Waste treatment	methods dations for the product					
Do not allow to ente Dispose of waste ac	r drains or water courses. cording to applicable legislat	ion.				
Dispose of as hazar	dous waste. dations for packaging					
Packaging that cann	not be cleaned should be disp packagings can be given for	•				
SECTION 14: Transp	port 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				
	-		_			
	<u> </u>]			

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

Trade name: Marabu Pouring Fluid, 250 ml

Version: 3 /

Date revised: 24.01.2020 Print date: 12.10.20

Substance number: 12320013885

Replaces Version: 2 / 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).

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.
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.
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. 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.

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.

Safety data sheet in accordance with regul	ation (EC) No 1907/2006						
Trade name: Marabu Pouring Fluid, 250 ml		M					
	Version: 3 /	Date revised: 24.01.2020					
Substance number: 12320013885	Replaces Version: 2 / WORLD	Print date: 12.10.20					
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.							