Safety data sheet in accorda	nce with regul	lation (EC) No 1907/2	006	
Trade name: Marabu-Silk Mise	chweiß, 50 ml	Marabu-Silk Mischwe Version: 6 /	ei∙ , 50 ml	Marabu Date revised: 08.01.2020
Substance number: 1780052	02	Replaces Version:	5 / WORLD	Print date: 10.01.20
SECTION 1: Identifica company/undertaking		e substance/mi	xture and of	<u>f the</u>
1.1. Product identifier Marabu-Silk Mischwei	ß, 50 ml Marab	ou-Silk Mischwei• , 50	ml	
1.2. Relevant identified	uses of the	substance or mix	ture and uses	advised against
Use of the substance/pr Paint	reparation			
1.3. Details of the suppl	ier of the sa	fety data sheet		
Address/Manufacture Marabu GmbH & Co. I Asperger Strasse 4 71732 Tamm Germany Telephone no. Fax no. Information provided by / telephone E-mail address of person responsible for this SDS 1.4. Emergency telepho (+49) (0)621-60-43333 SECTION 2: Hazards 2.1. Classification of the This product is not cla	KG +49-7141/691 +49-7141/691 Department p PRSI@marab ne number 3 <u>identificat</u> substance	I-147 broduct safety bu.com tion *** or mixture	18/10 Pionee Thornleigh I Tel: 1300 731 Emergency C S&S Wholese Tel: 1300 731	NSW 2120 1529 Fax: 1300 739 715 Contact: ale Pty. Limited 1529 Fax: 1300 739 715
2.2. Label elements				
Labelling according EUH208 Contains ***	A mixture of: 2-Methyl-2H-i produce an al	5-Chloro-2-methyl-2h-	isothiazol-3-one [E	EC-no. 247-500-7] and) / C(M)IT/MIT (3:1), May
Supplemental information		(EU) No 529/2012 *:	**	
Labelling according to Contains a biocidal pro 2-Methyl-2H-isothiazo	oduct: A mixture	e of: 5-Chloro-2-methy	/l-2h-isothiazol-3-c	one [EC-no. 247-500-7] and
2.3. Other hazards No special hazards ha	ave to be mention	oned.		
SECTION 3: Composi	ition/infor	mation on ingre	edients ***	
3.2. Mixtures				
Chemical characteriza	ation			

Paint based on acrylic resins and on water

Hazardous ingredients ***

Bronopol (INN)

rade name: Marabu-	Silk Mischweiß, 50 ml	Marabu-Si Version:		wei• , 50	ml	Mara Date revised: 08.01.202
Substance number: 1	78005202	Replace	s Versio	n: 5/W	ORLD	Print date: 10.01.2
CAS No. EINECS no.	52-51-7 200-143-0					
Registration ne Concentration		038-15 0,01	<	0,1	%	
Classification	(Regulation (EC) No. 1	272/2008)				
	Eye Dam. 1 Skin Irrit. 2 STOT SE 3 Acute Tox. 4 Acute Tox. 4 Aquatic Acute Aquatic Chro	e 1	H318 H315 H335 H302 H312 H400 H410			
Concentration	limits (Regulation (EC Aquatic Acute Aquatic Chro 1	e 1 H400	M =			
Pyrithione zinc						
CAS No. EINECS no. Registration no Concentration		96-46 0,01	<	0,025	%	
Classification	(Regulation (EC) No. 1 Acute Tox. 3 Acute Tox. 3 Eye Dam. 1 Aquatic Acute Aquatic Chro	ə 1	H301 H331 H318 H400 H410			
Concentration	limits (Regulation (EC Aquatic Acute Aquatic Chro 1	e 1 H400	M =	100 10		
Pyridin-2-thiol- CAS No.	1-oxide, sodium salt					
EINECS no. Concentration	3811-73-2 223-296-5 >=	0,001	<	0,1	%	
Classification	(Regulation (EC) No. 1 Eye Dam. 1 Acute Tox. 4 Acute Tox. 4 Aquatic Acute Aquatic Chro	272/2008) e 1	H318 H302 H332 H400 H411			
Concentration	limits (Regulation (EC Aquatic Acute			100		
2-Methyl-2H-iso	Chloro-2-methyl-2h- othiazol-3-one [EC-no					
CAS No. Concentration	55965-84-9		<	0,0015	%	
Classification	(Regulation (EC) No. 1 Acute Tox. 3 Aquatic Chro		H331 H410			

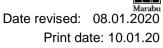
Safety data sheet in accordance with regulation (EC) No 1907/2006 Trade name: Marabu-Silk Mischweiß, 50 ml Version: 6 / Date revised: 08.01.2020
Substance number:178005202Replaces Version:5 / WORLDPrint date:10.01.20
Aquatic Acute 1 H400 Skin Sens. 1 H317 Skin Corr. 1B H314 Acute Tox. 3 H311 Acute Tox. 3 H301 Concentration limits (Regulation (EC) No. 1272/2008)
Skin Corr. 1B H314 >= 0,6 Eye Irrit. 2 H319 <= 0,06 < 0,6
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
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

Safety data sheet in accordance	with regulation (EC) No 1907/2006	
Trade name: Marabu-Silk Mischwe	eiß, 50 ml Marabu-Silk Mischwei• , 50 ml Version: 6 /	Marabu Date revised: 08.01.2020
Substance number: 178005202	Replaces Version: 5 / WORLD	Print date: 10.01.20
	handling, see Section 7. Information regarding pregarding waste disposal, see Section 13.	personal protective measures,
SECTION 7: Handling an	id storage	
7.1. Precautions for safe ha	Indling	
Advice on safe handling	C C	
-	t. Smoking, eating and drinking shall be prohibite	ed in application area.
Advice on protection again	inst fire and explosion	
No special measures requi	red.	
7.2. Conditions for safe stor	rage, including any incompatibilities	
Requirements for storage		
Store in frostfree conditions		
7.3. Specific end use(s)		
Paint		
SECTION 8: Exposure co	ontrols/personal protection ***	
8.1. Control parameters		
Other information		
There are not known any fu	urther control parameters.	
Derived No/Minimal Effec	t Levels (DNEL/DMEL) ***	
Bronopol (INN)		
Type of value	Derived No Effect Level (DNEL)	
Reference group Duration of exposure	Worker	
Route of exposure	Long term 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 Mode of action	inhalative Systemic effects	
Concentration	12,3	mg/m³
Type of value		
	Derived No Effect Level (DNEL)	
	Worker	
Reference group Duration of exposure	Worker Long term	
Reference group Duration of exposure Route of exposure	Long term inhalative	
Reference group Duration of exposure Route of exposure Mode of action	Long term inhalative Local effects	ma/m³
Reference group Duration of exposure Route of exposure	Long term inhalative Local effects	mg/m³
Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value	Long term inhalative Local effects 4,2 Derived No Effect Level (DNEL)	mg/m³
Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group	Long term inhalative Local effects 4,2 Derived No Effect Level (DNEL) Worker	mg/m³
Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure	Long term inhalative Local effects 4,2 Derived No Effect Level (DNEL) Worker Short term	mg/m³
Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group	Long term inhalative Local effects 4,2 Derived No Effect Level (DNEL) Worker	mg/m³
Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure	Long term inhalative Local effects 4,2 Derived No Effect Level (DNEL) Worker Short term inhalative Local effects	mg/m³ mg/m³
Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure Mode of action	Long term inhalative Local effects 4,2 Derived No Effect Level (DNEL) Worker Short term inhalative Local effects	-

Trade name: Marabu-Silk Mischweiß, s	50 ml Marabu-Silk Mischwei• , 50 ml Version: 6 /	Date revised: 08.01.2020
Substance number: 178005202	Replaces Version: 5 / WORLD	Print date: 10.01.20
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/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
Concentration	1,0	
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	

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Trade name:	Marab	u-Silk Mischweiß, 50 m	nl	Marabu-Silk Mischwe	ei∙, 50 ml
				Version: 6 /	
Substance nu	mber:	178005202		Replaces Version:	5 / WORLD



stance number: 178005202	Replaces Version: 57 WORLI	J	Print date. 10.01.20
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	
	Derived No Effect Level (DNEL)		
Type of value	Consumer		
Reference group			
Duration of exposure	Long term dermal		
Route of exposure			
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)		
Type of value	· · · · · ·		
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 Conc	entration (PNEC)		
Bronopol (INN) Type of value	PNEC		
	-		
Type			
Type	Freshwater	no o /l	
Type Concentration	0,01	mg/l	
Concentration Type of value	0,01 PNEC	mg/l	
Concentration	0,01	mg/l	
Concentration Type of value	0,01 PNEC	mg/l mg/l	
Concentration Type of value Type Concentration	0,01 PNEC Saltwater 0,001	-	
Concentration Type of value Type Concentration Type of value	0,01 PNEC Saltwater 0,001 PNEC	-	
Concentration Type of value Type Concentration Type of value Type	0,01 PNEC Saltwater 0,001 PNEC Water (intermittent release)	mg/l	
Concentration Type of value Type Concentration Type of value	0,01 PNEC Saltwater 0,001 PNEC	-	
Concentration Type of value Type Concentration Type of value Type Concentration Type of value	0,01 PNEC Saltwater 0,001 PNEC Water (intermittent release) 0,003 PNEC	mg/l	
Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type	0,01 PNEC Saltwater 0,001 PNEC Water (intermittent release) 0,003 PNEC Sewage treatment plant (STP)	mg/l mg/l	
Concentration Type of value Type Concentration Type of value Type Concentration Type of value	0,01 PNEC Saltwater 0,001 PNEC Water (intermittent release) 0,003 PNEC	mg/l	

rade name: Marabu-Silk Mischweiß,				ei∙ , 50 ml		Maral
		Version: 6				Date revised: 08.01.202
Substance number: 178005202		Replaces V	ersion:	5 / WORLI	D	Print date: 10.01.2
Type Concentration	Freshw	ater sedim	ent			_
Concentration		0,041			mg/k	J
Type of value	PNEC					
Type Concentration	Marine	sediment 0,003			ma/k	n
Concentration		0,003			mg/k	J
Type of value	PNEC					
Type Concentration	Soil	0 5			~~~~//c	~
Concentration		0,5			mg/k	J
8.2. Exposure controls						
Exposure controls						
Provide adequate ventilation.						
ECTION 9: Physical and o	<u>chemic</u>	al prop	erties			
9.1. Information on basic phys	sical and	l chemic	al proj	oerties		
Form	liquid					
Colour	white					
Odour	odourle	SS				
Odour threshold						
Remarks	No data	a available				
pH value						
Value		8	to	10		
Temperature Method	WTW F	20 2H 340	°C			
Melting point	** * * * *	11040				
Remarks	not det	ermined				
Freezing point	not dot	ommod				
Remarks	not det	ermined				
Initial boiling point and boili						
Value	appr.	100			°C	
Pressure	uppi.	1.013	hPa		U	
	Literatu	ure value				
Source						
Source Flash point						
	Not ap	plicable				
Flash point		olicable				
Flash point Remarks		plicable ermined				
Flash point Remarks Evaporation rate (ether = 1)						
Flash point Remarks Evaporation rate (ether = 1) Remarks Flammability (solid, gas)	not det	ermined				
Flash point Remarks Evaporation rate (ether = 1) Remarks Flammability (solid, gas) Not applicable	not det	ermined				
Flash point Remarks Evaporation rate (ether = 1) Remarks Flammability (solid, gas) Not applicable Upper/lower flammability or	not det	ermined re limits				
Flash point Remarks Evaporation rate (ether = 1) Remarks Flammability (solid, gas) Not applicable Upper/lower flammability or Remarks	not det	ermined re limits ermined 23			hPa	
Flash point Remarks Evaporation rate (ether = 1) Remarks Flammability (solid, gas) Not applicable Upper/lower flammability or Remarks Vapour pressure Value Temperature	not det explosiv not det appr.	ermined re limits ermined 23 20	°C		hPa	
Flash point Remarks Evaporation rate (ether = 1) Remarks Flammability (solid, gas) Not applicable Upper/lower flammability or Remarks Vapour pressure Value Temperature Method	not det explosiv not det appr.	ermined re limits ermined 23	-	ature	hPa	
Flash point Remarks Evaporation rate (ether = 1) Remarks Flammability (solid, gas) Not applicable Upper/lower flammability or Remarks Vapour pressure Value Temperature	not det explosiv not det appr. Value t	ermined re limits ermined 23 20	-	ature	hPa	

Safety data sheet in accordance wit	th regulation (EC) No 1907/2	006	
Trade name: Marabu-Silk Mischweiß,		ei∙ , 50 ml	
Substance number: 178005202	Version: 6 / Replaces Version:	5 / WORLD	Date revised: 08.01.2020 Print date: 10.01.20
Value	1,040	g/cm³	
Temperature Method	20 °C 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 and	<u>reactivity</u>		
10.1. Reactivity None			
10.2. Chemical stability No hazardous reactions know	/n.		
10.3. Possibility of hazardous No hazardous reactions know			
10.4. Conditions to avoid No hazardous reactions know	/n.		
10.5. Incompatible materials None			
10.6. Hazardous decomposition No hazardous decomposition			
SECTION 11: Toxicologica	al information		
11.1. Information on toxicolog	gical effects		
Acute oral toxicity			
Remarks	Based on available data, the	classification criteria	are not met.
Acute oral toxicity (Compor	nents)		
Pyrithione zinc	,		
Species	Rats (male/female)		
LD50 Mathad	269	mg/kg	
Method	OECD 401		
Acute dermal toxicity Remarks	Based on available data, the	classification oritoria	are not met
Acute inhalational toxicity		Gassingation chieflà	
Remarks	Based on available data, the	classification criteria	are not met
Acute inhalative toxicity (Co		side modifier on one na	
Pyrithione zinc			
Species	rat		
LC50	0,84	mg/l	
Administration/Form	Dust/Mist		

ade name:	Marabu	u-Silk Mischweiß,	50 ml	Marabu-S Version		ei∙ , 50 ml		Date revised: 08.01.20
ubstance nu	umber:	178005202		Replace	es Version:	5 / WOR	LD	Print date: 10.01.
Meth	od		OECD	403				
Skin co	orrosio	on/irritation						
Rem	arks		Based	on availab	le data, the	classificat	ion criteria	are not met.
Seriou	s eye c	lamage/irritatio	on					
Rem	arks		Based	on availab	le data, the	classificat	ion criteria	are not met.
Sensiti	zation							
Rem	arks		Based	on availab	le data, the	classificat	ion criteria	are not met.
Mutage	enicity							
Rem	arks		Based	on availab	le data, the	classificat	ion criteria	are not met.
Reproc	ductive	e toxicity						
Rem	arks		Based	on availab	le data, the	classificat	ion criteria	are not met.
Carcine	-	ity						
Rem	arks		Based	on availab	le data, the	classificat	ion criteria	are not met.
Specifi	ic Targ	et Organ Toxic	ity (ST	OT)				
Sina	le expo	sure						
Rem	-		Based	on availab	le data, the	classificat	ion criteria	are not met.
Repe Rem		xposure	Based	on availab	le data, the	classificat	ion criteria	are not met.
Aspirat	tion ha	zard			,			
-		ailable data, the	classific	ation crite	ria are not n	net.		
		n practice						
-	ided all	-		tive and s	afety preca	utions are	taken, exp	erience shows that no
	o health	i can be expected						
		•						
risk t Other i Ther The i	nforma e are no mixture	•	n the m ed follo [,]	wing the a	dditivity me		e CLP Reg	ulation (EC) No
risk t Other i Ther 1272	nforma e are no mixture 2/2008 a	ation o data available o has been assess	n the m ed follo oxicolog	wing the a gical hazaı	dditivity me		e CLP Reg	ulation (EC) No
risk t Other i Then The 1272	nforma e are no mixture 2/2008 a 12: E	ation o data available o has been assess ind classified for t	n the m ed follo oxicolog	wing the a gical hazaı	dditivity me		e CLP Reg	ulation (EC) No
risk t Other i Then 1272 ECTION 2.1. Toxic	nforma e are no mixture 2/2008 a 12: E city	ation b data available o has been assess and classified for t cological ir	n the m ed follo oxicolog	wing the a gical hazaı	dditivity me		e CLP Regi	ulation (EC) No
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu	nforma e are no mixture 2/2008 a 12: E 2ity al infor e are no ure has	ation o data available o has been assess and classified for t Ecological in mation o data available o	n the m ed follo oxicolog nform n the m ollowing	wing the a gical hazar ation ixture itsel the summ	dditivity me ds accordir f.Do not allo ation metho	ngly. ow to enter	r drains or	ulation (EC) No water courses.The ution (EC) No 1272/2008
risk t Other i Then 1272 ECTION 2.1. Toxic Genera Then mixtu and i	nforma e are no mixture 22008 a <u>12: E</u> tity al infor e are no ure has is not cla	ation b data available o has been assess ind classified for t Ecological in mation b data available o been assessed for	n the m ed follo oxicolog nform n the m ollowing	wing the a gical hazar ation ixture itsel the summ	dditivity me ds accordir f.Do not allo ation metho	ngly. ow to enter	r drains or	water courses.The
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu and i Fish to	nforma e are no mixture 2/2008 a 12: E 2 2 2 2 3 3 4 1 1 1 5 4 1 1 1 5 5 5 5 1 5 1 5 1 5 1	ation b data available o has been assess and classified for t Ecological ir mation b data available o been assessed for assified as dange (Components)	n the m ed follo oxicolog nform n the m ollowing	wing the a gical hazar ation ixture itsel the summ	dditivity me ds accordir f.Do not allo ation metho	ngly. ow to enter	r drains or	water courses.The
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu and i Fish to Pyrithi Spec	nforma e are no mixture 2/2008 a 12: E 2 2 2 2 2 3 3 4 3 4 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5	ation b data available o has been assess and classified for t Ecological ir mation b data available o been assessed for assified as dange (Components)	n the m ed follo oxicolog form n the m ollowing rous for	wing the a gical hazar ation ixture itsel the summ the enviro v trout (On	dditivity me ds accordir f.Do not allo ation metho	ngly. ow to enter od of the C	r drains or	water courses.The
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu and i Fish to Pyrithi Spec LC50	nforma e are no mixture 2/2008 a 12: E 2/2008 a 2/2008 a 12: E 2/2008 a 2/2008 a 12: E 2/2008 a 2/2008 a	ation b data available o has been assess and classified for t Ecological ir mation b data available o been assessed for assified as dange (Components) ac	n the m ed follo oxicolog form n the m ollowing rous for	wing the a gical hazar ation ixture itsel the summ the enviro v trout (On 0,14	dditivity me ds accordir f.Do not allo ation metho onment. corhynchus	ow to enter od of the C	r drains or	water courses.The
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu and i Fish to Pyrithi Spec LC50 Dura	nforma e are no mixture 2/2008 a 12: E 2 2 2 2 3 3 4 3 4 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5	ation b data available o has been assess ind classified for t Ecological in mation b data available o been assessed for assified as dange (Components) hc	n the m ed follo oxicolog form n the m ollowing rous for	wing the a gical hazar ation ixture itsel the summ the enviro v trout (On	dditivity me ds accordin f.Do not allo ation metho onment.	ow to enter od of the C	r drains or CLP Regula	water courses.The
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu and i Fish to Pyrithi Spec LC50 Dura Brono	nforma e are no mixture 2/2008 a 12: E 2 2 2 2 3 3 4 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ation b data available o has been assess ind classified for t Ecological in mation b data available o been assessed for assified as dange (Components) hc	n the m ed follor oxicolog form n the m ollowing rous for rainbow	wing the a gical hazar ation ixture itsel the summ the enviro v trout (On 0,14 96	dditivity me ds accordin f.Do not allo ation metho onment. corhynchus h	ow to enter od of the C	r drains or CLP Regula	water courses.The
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu and i Fish to Pyrithi Spec LC50 Dura	nforma e are no mixture 2/2008 a 12: E 2/2008 a 12: E 2/2008 a 2/2008 a 2/2	ation b data available o has been assess ind classified for t Ecological in mation b data available o been assessed for assified as dange (Components) hc	n the m ed follor oxicolog form n the m ollowing rous for rainbow	wing the a gical hazar ation ixture itsel the summ the enviro v trout (On 0,14 96	dditivity me ds accordir f.Do not allo ation metho onment. corhynchus	ow to enter od of the C mykiss)	r drains or CLP Regula	water courses.The
risk t Other i Ther 1272 ECTION 2.1. Toxic Genera Ther mixtu and i Fish to Pyrithi Spec LC50 Dura Brono Spec	nforma e are no mixture 2/2008 a 12: E 2/2008 a 12: E 2/2008 a 2/2008 a 2/2	ation b data available o has been assess ind classified for t Ecological in mation b data available o been assessed for assified as dange (Components) hc	n the m ed follor oxicolog form n the m ollowing rous for rainbow	wing the a gical hazar ation ixture itsel the summer the enviro v trout (On 0,14 96 v trout (On 3 96	dditivity me ds accordin f.Do not allo ation metho onment. corhynchus h	ow to enter od of the C mykiss)	r drains or CLP Regula	water courses.The
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ade name: Marabu-Silk Misch			ei∙ , 50 ml	Mar
		rsion: 6/	- /	Date revised: 08.01.20
ubstance number: 178005202	Re	places Version:	5 / WORLD	Print date: 10.01.
A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3- Species LC50	one [EC-no. 220- rainbow trout	239-6] (3:1) / C : (Oncorhynchus	(M)IT/MIT (3:1) s mykiss)	3
Duration of exposure	0,188 96	> h	mg/l	
Daphnia toxicity (Comp				
Pyrithione zinc				
Species	Daphnia mag	gna		
EC50	0,05		mg/l	
Duration of exposure	48	h		
Bronopol (INN)				
Species	Daphnia mag	gna	100 cr /l	
EC50 Duration of exposure	1,04 48	h	mg/l	
Method	OECD 202			
Bronopol (INN)				
Species	Daphnia mag	gna		
NOEC	0,06	_	mg/l	
Duration of exposure Method	21 OECD 211	d		
Species EC50 Duration of exposure	Daphnia mag 0,120 48		mg/l	
Algae toxicity (Compon	ents)			
	,			
Pyrithione zinc				
Pyrithione zinc Species	Selenastrum	capricornutum		
Species IC50	0,06	7	mg/l	
Species IC50 Duration of exposure			mg/l	
Species IC50 Duration of exposure Bronopol (INN)	0,06 ⁻ 72	7 h	C C	
Species IC50 Duration of exposure Bronopol (INN) Species	0,06 72 Pseudokirchi	7 h neriella subcapi	tata	
Species IC50 Duration of exposure Bronopol (INN)	0,06 ⁻ 72	7 h neriella subcapi	C C	
Species IC50 Duration of exposure Bronopol (INN) Species EC50	0,06 72 Pseudokirchi 0,06	7 h neriella subcapi 3	tata	
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN)	0,06 72 Pseudokirchi 0,06 72 OECD 201	7 h neriella subcapi 3 h	tata mg/l	
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi	7 h neriella subcapi 3 h neriella subcapi	tata mg/l tata	
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,002	7 heriella subcapi 3 h heriella subcapi 25	tata mg/l	
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi	7 h neriella subcapi 3 h neriella subcapi	tata mg/l tata	
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC Duration of exposure Method A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3 :	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,00 72 OECD 201 methyl-2h-isothia one [EC-no. 220-	7 heriella subcapi 3 h neriella subcapi 25 h azol-3-one [EC - 239-6] (3:1) / C	tata mg/l tata mg/l -no. 247-500-7] and	1
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC Duration of exposure Method A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3 : Species	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,00 72 OECD 201 methyl-2h-isothia one [EC-no. 220- Selenastrum	7 h heriella subcapi 3 h heriella subcapi 25 h azol-3-one [EC - 239-6] (3:1) / C capricornutum	tata mg/l tata -no. 247-500-7] and (M)IT/MIT (3:1)	1
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC Duration of exposure Method A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3- Species EC50	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,00 72 OECD 201 •methyl-2h-isothia •one [EC-no. 220- Selenastrum 0,02	7 h heriella subcapi 3 h heriella subcapi 25 h azol-3-one [EC 239-6] (3:1) / C capricornutum 7	tata mg/l tata mg/l -no. 247-500-7] and	1
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC Duration of exposure Method A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3 : Species EC50 Duration of exposure	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,00 72 OECD 201 methyl-2h-isothia one [EC-no. 220- Selenastrum 0,02 72	7 h heriella subcapi 3 h heriella subcapi 25 h azol-3-one [EC - 239-6] (3:1) / C capricornutum	tata mg/l tata -no. 247-500-7] and (M)IT/MIT (3:1)	1
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC Duration of exposure Method A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3- Species EC50 Duration of exposure 2.2. Persistence and deg	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,00 72 OECD 201 methyl-2h-isothia one [EC-no. 220- Selenastrum 0,02 72	7 h heriella subcapi 3 h heriella subcapi 25 h azol-3-one [EC 239-6] (3:1) / C capricornutum 7	tata mg/l tata -no. 247-500-7] and (M)IT/MIT (3:1)	3
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC Duration of exposure Method A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3 : Species EC50 Duration of exposure 2.2. Persistence and deg General information	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,00 72 OECD 201 methyl-2h-isothia one [EC-no. 220- Selenastrum 0,02 72	7 h heriella subcapi 8 h heriella subcapi 25 h azol-3-one [EC - 239-6] (3:1) / C capricornutum 7 h	tata mg/l tata -no. 247-500-7] and (M)IT/MIT (3:1)	3
Species IC50 Duration of exposure Bronopol (INN) Species EC50 Duration of exposure Method Bronopol (INN) Species NOEC Duration of exposure Method A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3- Species EC50 Duration of exposure 2.2. Persistence and deg	0,06 72 Pseudokirchi 0,06 72 OECD 201 Pseudokirchi 0,00 72 OECD 201 methyl-2h-isothia one [EC-no. 220- Selenastrum 0,02 72	7 h heriella subcapi 8 h heriella subcapi 25 h azol-3-one [EC - 239-6] (3:1) / C capricornutum 7 h	tata mg/l tata -no. 247-500-7] and (M)IT/MIT (3:1)	3

Trade name: Marabu-Silk Mischweiß, 50 ml Marabu-Silk Mischwei•, 50 ml

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Date revised: 08.01.2020 Print date: 10.01.20

Substance number: 178005202

Replaces Version: 5 / WORLD

12.4. Mobility in soil

General information

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

General information

There are no data available on the mixture itself.

12.6. Other adverse effects

General information

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

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

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

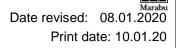
Transport within the user's premises:

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.

Trade name: Marabu-Silk Mischweiß, 50 ml Marabu-Silk Mischwei•, 50 ml

Version: 6 /



Substance number: 178005202

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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 PICCS inventory. All components are contained in the ECL inventory. 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

zaiù statements iisteu iii	Chapter 5
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.
H331	Toxic if inhaled.
H332	Harmful 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.
Destagarias listed in Ch	antar 2

CLP categories listed in Chapter 3

•	
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 Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
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

Safety data sheet in accordance with regulation (EC) No 1907/2006								
Trade name:	Marab	u-Silk Mischweiß, 50 ml	50 ml Marabu-Silk Mischwei• , 50 ml					
			Version:			Marabu Date revised: 08.01.2020		
Substance nu	umber:	178005202	Replaces	Version:	5 / WORLD	Print date: 10.01.20		
As th for e The	ne speci nsuring informa	that the requirements of	ne product ar relevant legi ety data shee	e outside slation are et does no	e complied with. t constitute the us	ntrol, the user is responsible ser's own assessment of		