Trade name:	Marab	ou-Glas 01	3, 50 ml			\mathbf{N}
				Version: 8 /		Date revised: 30.01.2020
Substance n	umber:	1306000	5013	Replaces Version:	7 / WORLD	Print date: 12.10.20
SECTION	l 1: ld	entifica	ation of t	he substance/mi	ixture and o	f the
company	/unde	ertaking	1			
1.1. Produ Mar		ntifier is 013, 50	ml			
1.2. Relev	ant ide	entified	uses of th	e substance or mix	ture and uses	advised against
Use of the Pair		tance/pr	reparatior	1		
1.3. Detai	ls of th	ne suppl	ier of the	safety data sheet		
Mar Asp 717 Ger Tele Fax Info by / E-m pers for t	rabu Gm erger St 32 Tami many ephone r no. rmation telepho nail addre son resp this SDS gency 9) (0)62 ⁻	m provided ne ess of onsible t elepho 1-60-43333	KG +49-7141/4 +49-7141/4 Departmer PRSI@ma PRSI@ma	691-147 ht product safety rabu.com	Importer - S&S Wholesald 18/10 Pioneer Thornleigh NS Tel: 1300 731 5 Emergency Co S&S Wholesald Tel: 1300 731 5	Avenue, SW 2120 29 Fax: 1300 739 715 ntact: e Pty. Limited
				ce or mixture rdous in accordance with	Regulation (EC)	No 1272/2008.
2.2. Label	eleme	ents				
Label	ling ad	cording	to regula	tion (EC) No 1272/2	2008	
	H208 Co	-	2-Methyl-2 5-Chloro-2 2-Methyl-2	H-isothiazol-3-one, A mix -methyl-2h-isothiazol-3-o H-isothiazol-3-one [EC-n othiazol-3(2h)-one, May	kture of: one [EC-no. 247-5 io. 220-239-6] (3:1) / C(M)IT/MIT (3:1),
		al informa				
	H205	ording t		poxy constituents. May p	produce an allergio	c reaction.
Cor	ntains a l	biocidal pro	oduct: A mix	on (EU) No 528/2012 ture of: 5-Chloro-2-methy no. 220-239-6] (3:1) / C(one [EC-no. 247-500-7] and
2.3. Other No			ve to be me	ntioned.		
SECTION	I 3: C	omposi	ition/info	ormation on ingre	edients ***	
3.2. Mixtu	res					
Chem	ical ch	aracteriza	ation			
		-	resins and	on water		
Hazar	dous ir	ngredient	S ***			

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

rade name: Marabu	I-Glas 013, 50 ml		0 /			Mara
Substance number:	13060005013	Version: Replaces		on 7/₩		Date revised: 30.01.202 Print date: 12.10.2
	1000000010	Ropidoot				co.co
3-Butoxyprop						
CAS No.	5131-66-8					
EINECS no.	225-878-4	07 00				
Registration				10	%	
Concentratio	n >=	1	<	10	70	
Classification	n (Regulation (EC) No. 1	272/2008)				
Classification	Skin Irrit. 2	212/2000)	H315			
	Eye Irrit. 2		H319			
	_ j 0 mm _					
	iazol-3(2h)-one					
CAS No.	2634-33-5					
EINECS no.	220-120-9					
Concentratio	n		<	0,05	%	
Classification	(Regulation (EC) No. 1	272/20021				
Classification	Aquatic Acute	,	H400			
	Skin Sens. 1	. 1	H317			
	Acute Tox. 4		H302			
	Skin Irrit. 2		H315			
	Eye Dam. 1		H318			
	Acute Tox. 2		H330			
	Aquatic Chror	nic 2	H411			
Pyridin-2-thio	n limits (Regulation (EC) Skin Sens. 1 I-1-oxide, sodium salt) No. 1272/2 H317	,	0,05		
CAS No.	3811-73-2					
EINECS no.	223-296-5					
Concentratio	n >=	0,001	<	0,1	%	
Classification	n (Regulation (EC) No. 1	272/2008)				
	Eye Dam. 1		H318			
	Acute Tox. 4		H302			
	Acute Tox. 4		H332			
	Aquatic Acute		H400			
	Aquatic Chror	IIC Z	H411			
	n limits (Regulation (EC) Aquatic Acute	e 1 H400	M =	= 100		
	5-Chloro-2-methyl-2h-is sothiazol-3-one [EC-no 55965-84-9					3
Concentratio	n		<	0,001	%	
Classification	n (Regulation (EC) No. 1	272/2008)				
	Acute Tox. 2	/	H330			
	Aquatic Chror	nic 1	H410			
	Aquatic Acute		H400			
	Skin Sens. 1A		H317			
	Skin Corr. 1C		H314			
	Acute Tox. 2		H310			
	Acute Tox. 3		H301			
Concentratio	n limits (Regulation (EC)) No. 1272/2	2008)			
	Skin Corr. 1C			0,6		
	Eye Irrit. 2	H319		-		

Version: 8 / Date revised: 30.01.2 Substance number: 1306005013 Replaces Version: 7 / WORLD Print date: 12.10 Skin Sens: 1 H315 <= 0.06 < 0.6 Aquatic Acute 1 H410 M = 100 Aquatic Chronic H410 M = 100 1 1 2.Methyl-2H-isothizol-3-one 0.0015 CAS No 282-20-4 EINECS no. 220-239-6 Concentration 0.0015 Acute Tox: 2 H330 Skin Sens: 1A H317 Aquatic Chronic 1 H410 Acute Tox: 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens: 1A Skin Sens: 1A H317 Aquatic Chronic 1 H410 Acute Tox: 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens: 1A H317 Aquatic Acute 1 H400 Matter and soap. Do NOT use solvents or thinners. After skin contat 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 Riseremouth thoroughly with water. If larger amounts are swallo		as 013, 50 ml	· · ·	• /	_
Skin Irit. 2 H315 <= 0,06 < 0,6 Skin Sens. 1 H317 >= 0,0015 Aquatic Curonic H410 M = 100 1 1 M = 100 2-Methyl-2H-isothiazof-3-one CAS No. 220-239-6 Concentration 220-239-6 Concentration < 0,0015 % Classification (Regulation (EC) No. 1272/2008) Acute Tox. 2 H301 Acute Tox. 2 H301 Acute Tox. 2 H301 Acute Tox. 3 H314 Eye Dam. 1 H318 Aquatic Chronic 1 H410 M = 10 Skin Sens. 1A H317 Aquatic Acute 1 H400 Acute Tox. 3 H311 Concentration limits (Regulation (EC) No. 1272/2008) Skin Sens. 1A H317 Aquatic Acute 1 H400 M = 10 M = 10 M = 10 Secction 4: First aid measures After skin contact M = 10 M = 10 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 reatment. Mise mouth t	Cubatanaa numbari 400	00005040			
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 Wash with plenty of water and soap. Do NOT use solvents or thinners. After eye contact Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist. After ingestion Rinse mouth thoroughly with water. If larger amounts are swallowed or in the event of symptoms take medical treatment. 4.2. Most important symptoms and effects, both acute and delayed Until now no symptoms known so far. 4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / treatment Treat symptomatically SECTION 5: Firefighting measures 5.1. 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 					
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Collect contaminated fire-fighting water separately, must not be discharged into the drains.	 4.1. Description of f After skin contact Wash with plenty After eye contact Separate eyelids After ingestion Rinse mouth tho medical treatment 4.2. Most important Until now no syn 4.3. Indication of an Hints for the phy Treat symptoma 5.1. Extinguishing r Suitable extingui Carbon dioxide, 5.2. Special hazards In the event of fit black smoke 	irst aid measur of water and soap. wash the eyes tho roughly with water. nt. symptoms and ptoms known so fa y immediate me sician / treatmen tically ghting measures nedia shing media Foam, Sand, Water s arising from the re the following can ghters	es Do NOT use proughly with v If larger amou I effects, be r. edical atten t ures	water (15 min.). I ints are swallowe oth acute and ntion and spe	In case of irritation consult an oculist. ed or in the event of symptoms take d delayed ecial treatment needed

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

Trade name: Marabu-Glas 013, 50 ml

Version: 8 / Replaces Version: 7 / WORLD

Substance number: 13060005013

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 T4

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)

3-Butoxypropan-2-ol

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	147	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	52	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	

rade name: Marabu-Glas 013, 50 ml		
	Version: 8 /	Mara Date revised: 30.01.202
Substance number: 13060005013	Replaces Version: 7 / WORLD	Print date: 12.10.2
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	43	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	22	mg/kg/d
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	12,5	mg/kg/d
Predicted No Effect Concent	ration (PNEC)	
3-Butoxypropan-2-ol		
Type of value	PNEC	
Туре	Soil	
Concentration	0,16	mg/kg
Type of value	PNEC	
Туре	Water	
Concentration	0,525	mg/l
Type of value	PNEC	
Туре	Freshwater sediment	
Concentration	2,36	mg/kg
Type of value	PNEC	
Туре	Saltwater	
Concentration	0,0525	mg/l
Type of value	PNEC	
Туре	Marine sediment	
Concentration	0,236	mg/kg
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	10	mg/l
3.2. Exposure controls		
•		
Exposure controls		
Provide adequate ventilation.		
ECTION 9: Physical and c	hemical properties	
0.1. Information on basic phys		
Form	liquid	

ade name: Marabu-Glas 013, 50 ml ubstance number: 13060005013		Version: Replaces		7 / WC	ORLD	Date revised: 30.01.202 Print date: 12.10.2
Odour	solver	nt-like				
Odour threshold						
Remarks	No da	ta available	;			
pH value						
Value Temperature Method	WTW	8 20 PH 340	to °C	9		
Melting point						
Remarks	not de	etermined				
Freezing point						
Remarks	not de	etermined				
Initial boiling point and boilir						
Value	appr.				°C	
Pressure Source	Litera	1.013 ture value	hPa			
Flash point	Litera	luie value				
Remarks	Not a	oplicable				
Evaporation rate (ether = 1) :	nota	Splicable				
Remarks	not de	etermined				
	not de	lennineu				
Flammability (solid, gas) Not applicable						
Upper/lower flammability or o	explosi	ve limits				
Lower explosion limit Upper explosion limit Source	appr. appr.	0,6 20,4 ture value			%(V) %(V)	
Vapour pressure						
Value Temperature	appr.	23 20	°C		hPa	
Method	Value	taken from	the litera	ature		
Vapour density						
Remarks	not de	etermined				
Density						
Value Temperature		1,040 20	°C		g/cm³	
Method	DIN E	N ISO 281	-			
Solubility in water						
Remarks	miscik	ble				
Ignition temperature						
Value Source	appr.	189 ture value			°C	
	Litera	luie value				
Viscosity Remarks Remarks	not de	etermined				
.2. Other information						
Other information						

SECTION 10: Stability and reactivity

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Trade name: Marabu-Glas 013, 50	mi	Version: 8/		Marabu Date revised: 30.01.2020
Substance number: 13060005013			rsion: 7 / WORLD	
10.1. Reactivity				
10.2. Chemical stability No hazardous reactions kn	own.			
10.3. Possibility of hazardo No hazardous reactions kn		tions		
10.4. Conditions to avoid No hazardous reactions kn	own.			
10.5. Incompatible materials	5			
10.6. Hazardous decompos No hazardous decompositi				
SECTION 11: Toxicologi	cal inf	ormation		
11.1. Information on toxicol	ogical	effects		
Acute oral toxicity	- 3			
Remarks	Based	d on available dat	a, the classification	n criteria are not met.
Acute oral toxicity (Comp				
	-			
1,2-Benzisothiazol-3(2h)-o r Species LD50	rat	1193	mç)/kg
Acute dermal toxicity				
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Acute dermal toxicity (Co	mponer	nts)		
1,2-Benzisothiazol-3(2h)-or	-			
Species LD50	rat	4115	mg	j/kg
Acute inhalational toxicity	/			
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Skin corrosion/irritation				
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Serious eye damage/irrita	tion			
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Sensitization				
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Mutagenicity				
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Reproductive toxicity				
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Carcinogenicity				
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.
Specific Target Organ To:	kicity (S	TOT)		
Single exposure				
Remarks	Based	d on available dat	a, the classificatior	n criteria are not met.

Safety data sheet i	n accordance wit	h regula	tion (EC)	No 1907/2	2006		
Trade name: Marab	ou-Glas 013, 50 ml						Marabu
			Version:	8 /			Date revised: 30.01.2020
Substance number:	13060005013		Replace	s Version:	7 / WOF	RLD	Print date: 12.10.20
Repeated e							
Remarks		Based or	n available	e data, the	classifica	tion criteri	ia are not met.
Aspiration has	azaro vailable data, the c	lassifica	tion criteri	a are not m	net		
Experience i		103511100			iet.		
limit may re and adverse dizziness, fa Solvents ma contact with dermatitis a reversible d known, dela	sult in adverse hea e effects on kidney atigue, muscular w ay cause some of to the mixture may c nd absorption thro amage. Ingestion ayed and immediat xposure by oral, in	alth effec , liver an eakness the above cause rer ugh the s may cause e effects	ts such as d central , drowsing e effects b noval of n skin. The se nausea and also	s mucous n nervous sy ess and in (by absorption atural fat fu liquid splas a, diarrhoea chronic eff	nembrane stem. Syn extreme c on throug rom the s shed in the a and von ects of cc	e and resp mptoms a cases, loss h the skin kin resultin e eyes ma niting. This omponents	d occupational exposure biratory system irritation nd signs include headache, s of consciousness. . Repeated or prolonged ng in non-allergic contact ay cause irritation and s takes into account, where s from short-term and contact.
The mixture	o data available or has been assesse and classified for to	ed follow	ing the ad	ditivity met		e CLP Re	gulation (EC) No
SECTION 12: I	Ecological in	forma	<u>ition</u>				
12.1. Toxicity							
General info	rmation						
There are n mixture has	o data available or	llowing t	he summa	ation metho			r water courses.The Ilation (EC) No 1272/2008
	(Components)						
A mixture of	5-Chloro-2-meth	EC-no. 2 rainbow	220-239-6		M)IT/MIT		ł
Duration of	exposure	ę	96	h		-	
1,2-Benzisot Species	hiazol-3(2h)-one	rainhow	trout (Onc	orhynchus	mykicc)		
LC50			2,18	orrightenus	IIIyki55)	mg/l	
Duration of	•		96	h			
Daphnia toxi	city (Componer	nts)					
	: 5-Chloro-2-meth isothiazol-3-one		220-239-6				ł
EC50			0,126			mg/l	
Duration of 1 2-Benzisot	exposure hiazol-3(2h)-one	2	48	h			
Species		Daphnia					
EC50 Duration of	exposure		2,94 18	h		mg/l	
	y (Components)		10				
•	: 5-Chloro-2-meth		othiazol-?	-one [FC-	no 247-5	500-71 and	4
2-Methyl-2H-	isothiazol-3-one	EC-no.	220-239-6	5] (3:1) / C(a
Species EC50			rum capri),027	cornutum		mg/l	
2030		(5,021			ilig/i	

Safety data sheet in accordance with regulation (EC) No 1907/2006					
Trade name: Marabu-Glas 013, 50 ml				Marabu	
	Versio	on: 8/		Date revised: 30.01.2020	
Substance number: 13060005013	Replac	ces Version:	7 / WORLD	Print date: 12.10.20	
Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species Pseu	72 udokirchneri	h iella subcapit	ata		
ErC50 Duration of exposure	0,11 72	h	mg/l		
12.2. Persistence and degradabili					
General information There are no data available on the	-	elf.			
12.3. Bioaccumulative potential General information There are no data available on the mixture itself.					
12.4. Mobility in soil General information There are no data available on the	e mixture itse	elf.			
12.5. Results of PBT and vPvB as General information There are no data available on the					
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 Do not allow to enter drains or wate Dispose of waste according to app Dispose of as hazardous waste. Disposal recommendations for Packaging that cannot be cleaned 	er courses. blicable legis packaging	slation.	as product waste		
Completely emptied packagings ca					

SECTION 14: Transport information

Safety data sheet in accordance with regulation (EC) No 1907/2006							
Trade name: Marabu-Glas 013, 50 ml							
Version: 8 /Date revised: 30.01.2020Substance number: 13060005013Replaces Version: 7 / WORLDPrint date: 12.10.20							
	NOUTS Replaces						
	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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other information

All components are contained in the AICS inventory.

All components are contained in the IECSC inventory.

All components are contained in the DSL 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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.

Safety data sheet in accordance w		
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	Version: 8 /	Date revised: 30.01.2020
Substance number: 13060005013	Replaces Version: 7 / WORLD	Print date: 12.10.20
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H330	Fatal if inhaled.	
H332	Harmful if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
CLP categories listed in Cl	hapter 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, Ca	itegory 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, C	Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, C	Category 2
Eye Dam. 1	Serious eye damage, Category 1	
Eye Irrit. 2	Eye irritation, Category 2	
Skin Corr. 1B	Skin corrosion, Category 1B	
Skin Corr. 1C	Skin corrosion, Category 1C	
Skin Irrit. 2	Skin irritation, Category 2	
Skin Sens. 1	Skin sensitization, Category 1	
Skin Sens. 1A	Skin sensitization, Category 1A	

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.