			48937-1009
MSDS for #48937 - MARBU SC	CRN PRNTNG	KT	Page
Safety data sheet in accorda	ince with regul	ation (EC) No 1907/2006	
rade name: Marabu Printing	Ink Screen Set		Marab
		Version: 1 / GB	Date revised: 14.10.2021
Substance number: 1703900	000082-960	Replaces Version: - / GB	Print date: 07.03.22
ECTION 1: Identifica	ation of the	<u>e substance/mixture an</u>	<u>d of the</u>
ompany/undertaking	<u>9</u>		
1.1. Product identifier			
Marabu Printing Ink S	creen Set FSC1	100% MNA 960	
1.2. Relevant identified	uses of the	substance or mixture and u	uses advised against
Use of the substance/pr Screen printing ink	reparation		
Identified Uses			
SU21 PC9a		es: Private households (= general paints, thinners, paint removers	public = consumers)
1.3. Details of the suppl	ier of the sa	fety data sheet	
Address/Manufacture	er		
Marabu GmbH & Co. Asperger Strasse 4	KG		
71732 Tamm			
Germany			
Telephone no. Fax no.	+49-7141/691 +49-7141/691	-	
Information provided			
by / telephone E-mail address of	PRSI@marab		
person responsible for this SDS			
1.4. Emergency telepho	ne number		
(+49) (0)621-60-43333	3		
ECTION 2: Hazards	identificat	ion	
2.1. Classification of the This product is not cla		or mixture us in accordance with Regulation ((FC) No 1272/2008
2.2. Label elements			
EUH208 Contains	-	on (EC) No 1272/2008 sothiazol-3-one, A mixture of:	
EUH208 Contains		ethyl-2h-isothiazol-3-one [EC-no. 2	247-500-7] and
		sothiazol-3-one [EC-no. 220-239-6	
Supplemental inform		iazol-3(2h)-one, May produce an a	allergic reaction.
Supplemental information			
Labelling according t	-	e of: 5-Chloro-2-methyl-2h-isothiaz	ol-3-one [EC-no. 247-500-7] and
		220-239-6] (3:1) / C(M)IT/MIT (3:1	
2.3. Other hazards No special hazards ha	ave to be mentio	oned.	
No special hazards ha		^{oned.} mation on ingredients	
No special hazards ha			

ISDS for #48937 - MARBU Safety data sheet in accord rade name: Marabu Printin	lance with regul	ation (EC FSC100%	-	60		Page Date revised: 14.10.202
ubstance number: 170390	0000082-960	Replac	es Versio	on: -/GB	i	Print date: 07.03.2
Pyridin-2-thiol-1-oxid	de, sodium salt					
CAS No.	3811-73-2					
EINECS no.	223-296-5					
Concentration	>=	0,001	<	0,1	%	
Classification (Regu	lation (EC) No. 12	272/2008)				
0.200.002.001 (1.092	Eye Dam. 1		H318			
	Acute Tox. 4		H302			
	Acute Tox. 4		H332			
	Aquatic Acute	1	H400			
	Aquatic Chron	ic 2	H411			
Concentration limits	(Regulation (EC)	No. 1272	2/2008)			
	Aquatic Acute		,	= 100		
1,2-Benzisothiazol-3						
CAS No.	2634-33-5					
EINECS no.	220-120-9			0.05	0/	
Concentration			<	0,05	%	
Classification (Regu	lation (EC) No. 12	272/2008)				
(g-	Aquatic Acute		H400			
	Skin Sens. 1		H317			
	Acute Tox. 4		H302			
	Skin Irrit. 2		H315			
	Eye Dam. 1		H318			
	Acute Tox. 2		H330			
	Aquatic Chron	ic 2	H411			
Concentration limits	(Regulation (EC) Skin Sens. 1	No. 1272 H31		0,05		
2-Methyl-2H-isothiaz	ol-3-one					
CAS No.	2682-20-4					
EINECS no.	220-239-6					
Concentration			<	0,0015	%	
Classification (Regu	lation (EC) No 12	272/2008)				
(.togu	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 Chron	ic 1	H410			
	Acute Tox. 3		H311			
Concentration limits	(Regulation (EC) Skin Sens. 1A			0,0015		
	Aquatic Acute	1 H40	0 M =	= 10		
A mixture of: 5-Chlor						
2-Methyl-2H-isothiaz		220-239	•6] (3:1)	C(M)IT/M	(3:1)	
CAS No.	55965-84-9		-	0.001	0/	
Concentration			<	0,001	%	
Classification (Regu	lation (EC) No. 12	272/2008)				
	Acute Tox. 2		H330			
	Aquatic Chron		H410			
	Aquatic Acute	1	H400			

Safety data sheet in a	RBU SCRN PRNTNG K scordance with regula	(T I <mark>tion (EC) N</mark>	lo 1907/2006	Page 9 m
	Printing Ink Screen Set F			Ň
nade name. Marabar		Version:		Date revised: 14.10.2021
Substance number: 17	703900000082-960	Replaces	Version: -/GB	Print date: 07.03.22
	Skin Sens. 1A Skin Corr. 1C		H317 H314	
	Acute Tox. 2		H310	
	Acute Tox. 3		H301	
	Eye Dam. 1	ŀ	4318	
Concentration	limits (Regulation (EC) I			
	Skin Corr. 1C Eye Irrit. 2	H314 H319	>= 0,6 <= 0,06 < 0,6	
	Skin Irrit. 2	H315	<= 0,06 < 0,6	
	Skin Sens. 1	H317	>= 0,0015	
	Aquatic Acute 1		M = 100	
	Aquatic Chronic	c H410	M = 100	
	Eye Dam. 1	H318	>= 0,6 %	
ECTION 4: Firs	t aid measures			
	first aid measures			
After eye conta			solvents or thinners.	
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy	ds, wash the eyes thoro horoughly with water. If I ent. I t symptoms and e <i>y</i> mptoms known so far.	arger amou	vater (15 min.). In case nts are swallowed or ir oth acute and dela	-
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importar Until now no sy 4.3. Indication of a	ds, wash the eyes thoro noroughly with water. If I ent. I t symptoms and e Imptoms known so far. Iny immediate mec Inysician / treatment	arger amou	vater (15 min.). In case nts are swallowed or ir oth acute and dela	the event of symptoms take
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importar Until now no sy 4.3. Indication of a Hints for the ph Treat symptom	ds, wash the eyes thoro noroughly with water. If I ent. In symptoms and e mptoms known so far. In immediate mec mysician / treatment natically	arger amou effects, bo lical atter	vater (15 min.). In case nts are swallowed or ir oth acute and dela	the event of symptoms take
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom	ds, wash the eyes thoro horoughly with water. If I ent. In symptoms and e mptoms known so far. In immediate mec hysician / treatment hatically fighting measur	arger amou effects, bo lical atter	vater (15 min.). In case nts are swallowed or ir oth acute and dela	the event of symptoms take
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importar Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing	ds, wash the eyes thoro noroughly with water. If I ent. In symptoms and e mptoms known so far. In immediate mec hysician / treatment hatically fighting measur media	arger amou effects, bo lical atter	vater (15 min.). In case nts are swallowed or ir oth acute and dela	the event of symptoms take
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing Suitable extingu	ds, wash the eyes thoro noroughly with water. If I ent. In symptoms and e mptoms known so far. In immediate mec hysician / treatment hatically fighting measur media	arger amou effects, bo lical atter	vater (15 min.). In case nts are swallowed or ir oth acute and dela	the event of symptoms take
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing Suitable extingu Carbon dioxide 5.2. Special hazaro In the event of	ds, wash the eyes thoro horoughly with water. If I ent. In symptoms and e mptoms known so far. Iny immediate mec hysician / treatment hatically fighting measur media uishing media e, Foam, Sand, Water ds arising from the	arger amou effects, bo dical atter <u>es</u>	vater (15 min.). In case nts are swallowed or ir oth acute and dela ntion and special f	the event of symptoms take
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing Suitable extinge Carbon dioxide 5.2. Special hazaro In the event of black smoke; N	ds, wash the eyes thoro horoughly with water. If I ent. In symptoms and e mptoms known so far. In y immediate mech hysician / treatment hatically fighting media uishing media e, Foam, Sand, Water ds arising from the fire the following can be litrogen oxides (NOx)	arger amou effects, bo dical atter <u>es</u>	vater (15 min.). In case nts are swallowed or ir oth acute and dela ntion and special f	the event of symptoms take byed treatment needed
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing Suitable extinge Carbon dioxide 5.2. Special hazaro In the event of black smoke; N	ds, wash the eyes thoro horoughly with water. If I ent. It symptoms and e mptoms known so far. Iny immediate mec oysician / treatment latically fighting media uishing media a, Foam, Sand, Water ds arising from the fire the following can be litrogen oxides (NOx) of ighters	arger amou effects, bo dical atter <u>es</u>	vater (15 min.). In case nts are swallowed or ir oth acute and dela ntion and special f	a the event of symptoms take ayed areatment needed
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing Suitable exting Carbon dioxide 5.2. Special hazaro In the event of black smoke; N 5.3. Advice for fire Other informatic	ds, wash the eyes thoro horoughly with water. If I ent. It symptoms and e mptoms known so far. Iny immediate mec oysician / treatment latically fighting media uishing media a, Foam, Sand, Water ds arising from the fire the following can be litrogen oxides (NOx) of ighters	effects, bo dical atter Ces substan	vater (15 min.). In case nts are swallowed or ir oth acute and dela ntion and special t ce or mixture Carbon monoxide (CO)	the event of symptoms take ayed creatment needed ; Carbon dioxide (CO2); dense
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing Suitable exting Carbon dioxide 5.2. Special hazaro In the event of black smoke; N 5.3. Advice for fire Other informatic Collect contam	ds, wash the eyes thoro horoughly with water. If I ent. It symptoms and e mptoms known so far. Iny immediate mechanism of treatment atically fighting media a, Foam, Sand, Water ds arising from the fire the following can be litrogen oxides (NOx) of the following can be litrogen oxides (NOx) of the following wate	er separately	vater (15 min.). In case nts are swallowed or ir oth acute and dela ntion and special f ce or mixture Carbon monoxide (CO)	the event of symptoms take ayed creatment needed ; Carbon dioxide (CO2); dense
Separate eyelic After ingestion Rinse mouth th medical treatm 4.2. Most importan Until now no sy 4.3. Indication of a Hints for the ph Treat symptom SECTION 5: Fire 5.1. Extinguishing Suitable exting Carbon dioxide 5.2. Special hazard In the event of black smoke; N 5.3. Advice for fire Other informatic Collect contam SECTION 6: Acc 6.1. Personal prec	ds, wash the eyes thoro horoughly with water. If I ent. In symptoms and e mptoms known so far. Iny immediate mechanism iny immediate mechanism iny immediate mechanism iny immediate mechanism iny immediate mechanism interation of the following can be fire the following can be litrogen oxides (NOx) of ighters on	arger amou effects, bo dical atter CES e substan e released: (r separately measure	vater (15 min.). In case nts are swallowed or ir oth acute and dela ntion and special f ce or mixture Carbon monoxide (CO)	a the event of symptoms take ayed treatment needed ; Carbon dioxide (CO2); dense ed into the drains.

/ISDS for #48937 - MARBU SCRN PRNTNG Safety data sheet in accordance with regu	lation (EC) N	o 1907/2	2006			Page 4 -
rade name: Marabu Printing Ink Screen Se	t FSC100% M	NA 960				Marab
	Version:	1 / GB			Date revised:	14.10.2021
Substance number: 170390000082-960	Replaces \	Version:	- / GB		Print d	ate: 07.03.22
6.3. Methods and material for conta Clean preferably with a detergent - a			ning up			
		ivente.				
6.4. Reference to other sections Information regarding Safe handling, see Section 8. Information regarding					nal protective r	measures,
ECTION 7: Handling and stor	age					
7.1. Precautions for safe handling						
Advice on safe handling						
Avoid skin and eye contact. Smoking	n eating and d	lrinkina s	shall be pro	ohibited in a	application area	а
Advice on protection against fire No special measures required.	-	-				
	oluding on	lineer	nnotihili	tion		
7.2. Conditions for safe storage, in			npaubili	1162		
Requirements for storage rooms a Store in frostfree conditions.	and vessels					
7.3. Specific end use(s)						
Paint						
Paint ECTION 8: Exposure controls	/personal	l prote	ection			
ECTION 8: Exposure controls 8.1. Control parameters Other information			ection			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con			<u>ection</u>			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls			ection			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls			ection			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls			<u>ection</u>			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls	trol parameter	s.				
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls Provide adequate ventilation.	trol parameter nical prop	s. erties	2			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls Provide adequate ventilation. ECTION 9: Physical and chem 9.1. Information on basic physical and Form	trol parameter nical prop and chemic	s. erties	2			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls Provide adequate ventilation. ECTION 9: Physical and chen 9.1. Information on basic physical a Form liquity Colour colour	trol parameter nical prop and chemic ^{iid} oured	s. erties	2			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls Provide adequate ventilation. ECTION 9: Physical and chem 9.1. Information on basic physical and Form liquity Colour colour colour	trol parameter nical prop and chemic	s. erties	2			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls Provide adequate ventilation. ECTION 9: Physical and chen 9.1. Information on basic physical a Form liquity Colour colour	trol parameter nical prop and chemic ^{iid} oured	s. erties	2			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls Provide adequate ventilation. ECTION 9: Physical and chem 9.1. Information on basic physical and Form liquity Colour colour Odour threshold	trol parameter nical prop and chemic ^{iid} oured	s. erties al pro	2			
ECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further con 8.2. Exposure controls Exposure controls Provide adequate ventilation. ECTION 9: Physical and chem 9.1. Information on basic physical and Form liquity Colour colour Odour threshold	trol parameter nical prop and chemic id bured burless	s. erties al pro	2			
ECTION 8: Exposure controls 3.1. Control parameters Other information There are not known any further contends Exposure controls Provide adequate ventilation. ECTION 9: Physical and chem July Colour	trol parameter nical prop and chemic id oured ourless data available 7	rs. erties al pro	2			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form liquit colour Colour colour Odour threshold Remarks No pH value Value Temperature	trol parameter nical prop and chemic id oured ourless data available 7 20	s. erties al pro	<u>è</u> perties			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form liqu Colour colour Odour threshold Remarks No pH value Value Temperature Method WT	trol parameter nical prop and chemic id oured ourless data available 7	rs. erties al pro	<u>è</u> perties			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form lique Colour colour Odour threshold Remarks PH value Value Value Temperature Method WT	trol parameter nical prop and chemic id burless data available 7 20 W PH 340	rs. erties al pro	<u>è</u> perties			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form lique Colour colour Odour threshold Remarks PH value Value Value Temperature Method WT Melting point Remarks	trol parameter nical prop and chemic id oured ourless data available 7 20	rs. erties al pro	<u>è</u> perties			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form liqu Colour colour Odour threshold Remarks No pH value Value Value Temperature Method WT Method WT Freezing point not	trol parameter nical prop and chemic id burless data available 7 20 W PH 340 determined	rs. erties al pro	<u>è</u> perties			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form liqu Colour colour Odour threshold Remarks No pH value Value Value Temperature Method WT Melting point Remarks Remarks not	trol parameter nical prop and chemic id burless data available 7 20 W PH 340 determined determined	rs. erties al pro	<u>è</u> perties			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form liqu Colour colour Odour threshold Remarks No pH value Value Value Temperature Method WT Method WT Freezing point not	trol parameter nical prop and chemic id burless data available 7 20 W PH 340 determined determined	rs. erties al pro	<u>è</u> perties			
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form liqu Colour colour Odour threshold Remarks No pH value Value Value Temperature Method WT Melting point Remarks Remarks not	trol parameter nical prop and chemic id bured burless data available 7 20 W PH 340 determined determined nge	rs. erties al pro	<u>è</u> perties	°C		
SECTION 8: Exposure controls 8.1. Control parameters Other information There are not known any further controls Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and chem 9.1. Information on basic physical at Form Form liqu Colour coloud Odour threshold Remarks Physical and chem No 9.1. Information on basic physical at form coloud Odour coloud Odour coloud Value coloud Temperature Method Melting point Remarks Remarks not Freezing point Remarks Remarks not Initial boiling point and boiling rate Value app Pressure app	trol parameter nical prop and chemic id bured burless data available 7 20 W PH 340 determined determined nge	rs. erties al pro	<u>è</u> perties	°C		

MSDS for #48937 - MARBU SCRN PRN Safety data sheet in accordance with Frade name: Marabu Printing Ink Scree	regulat	ion (EC) N	INA 960	2006		Date revised: 14.10.2021
Substance number: 170390000082-9	60	Replaces	Version:	- / GB		Print date: 07.03.22
Flash point						
Remarks	Not ap	plicable				
Evaporation rate (ether = 1) :						
Remarks	not de	termined				
Flammability (solid, gas) Not applicable						
Upper/lower flammability or e	xplosiv	ve limits				
Remarks	-	termined				
Vapour pressure						
Value	appr.	23			hPa	
Temperature	uppi.	20	°C		in a	
Method	Value	taken from	-	ature		
Vapour density						
Remarks	not de	termined				
Density						
Value		1,02			g/cm ³	
Temperature		20	°C		g/cm-	
Method	DIN E	N ISO 281	-			
Solubility in water						
Remarks	miscib	le				
Ignition temperature						
Remarks	not de	termined				
	not de	termineu				
Viscosity						
dynamic		10000	to	05000		
Value Temperature		10000 20	to °C	25000	mPa.s	
Method	Brook	-	C			
		-				
9.2. Other information						
Other information						
None known						
SECTION 10: Stability and r	eacti	<u>vity</u>				
10.1. Reactivity None						
10.2. Chemical stability No hazardous reactions known.						
10.3. Possibility of hazardous r No hazardous reactions known.	eactio	ns				
10.4. Conditions to avoid No hazardous reactions known.						
10.5. Incompatible materials None						
10.6. Hazardous decomposition No hazardous decomposition p						
		-				

		Set FSC100% MNA Version: 1 / G	В	Date revised: 14.10.202
ubstance number:	170390000082-960	Replaces Vers	ion: -/GB	Print date: 07.03.2
1.1. Information	on toxicologico	loffooto		
Acute oral to	n on toxicologica	renects		
Remarks	-	ed on available data	the classification crite	aria are not met
	xicity (Component			
	iazol-3(2h)-one	5)		
Species LD50	rat	1193	mg/kg	
Acute dermal	toxicity		0.0	
Remarks	-	ed on available data,	the classification crite	eria are not met.
Acute dermal	toxicity (Compone	ents)		
	iazol-3(2h)-one			
Species	rat			
LD50		4115	mg/kg	
Acute inhalat				
Remarks	Bas	ed on available data,	the classification crite	eria are not met.
Skin corrosio	on/irritation			
Remarks	Bas	ed on available data,	the classification crite	eria are not met.
Serious eye d	lamage/irritation			
Remarks	Bas	ed on available data,	the classification crite	eria are not met.
Sensitization				
Remarks	Bas	ed on available data,	the classification crite	eria are not met.
Mutagenicity				
Remarks	Bas	ed on available data,	the classification crite	eria are not met.
Reproductive	e toxicity			
Remarks	Bas	ed on available data,	the classification crite	eria are not met.
Carcinogenic	ity			
Remarks			the classification crite	eria are not met.
Specific Targe	et Organ Toxicity ((STOT)		
Single expo	sure			
Remarks	Bas	ed on available data,	the classification crite	eria are not met.
Repeated ex Remarks	•	ed on available data,	the classification crite	eria are not met.
Aspiration ha	zard			
Based on av	ailable data, the class	ification criteria are r	not met.	
Experience in	n practice			
risk to health	a can be expected.	otective and safety pr	ecautions are taken,	experience shows that no
Other informa	ation			
The mixture	o data available on the has been assessed fo nd classified for toxico	ollowing the additivity		Regulation (EC) No
ECTION 12: F	cological info	mation		

There are no data available on the mixture itself.Do not allow to enter drains or water courses.The

	3937 - M	ARBU SCRN P	RNTNG	KT				Page
Safety data	sheet in	accordance w	ith regul	lation (EC) No 1907/2	906		
	N 4			5004000				\mathbf{N}
rade name:	Marabu	Printing Ink Sc	reen Set					Marabu
					1/GB		Date revised: 14	
Substance nu	umber:	17039000008	2-960	Replace	es Version:	- / GB	Print date:	07.03.22
						d of the CLP F	Regulation (EC) No 1272/	2008
		ssified as dang		r the enviro	onment.			
		Components						
		5-Chloro-2-me sothiazol-3-one						
Spec	-	5011112201-5-0110			corhynchus			
LĊ50	C			0,188`	,	∫ mg/l		
Dura	ation of e	xposure		96	h			
		iazol-3(2h)-one		v trout (On	oorby pobulo	my(king)		
Spec LC50			Tainboy	2,18	corhynchus	mg/l		
	ation of e	xposure		96	h			
Daphn	ia toxic	ity (Compone	ents)					
A mixt	ture of: {	5-Chloro-2-me	thyl-2h-i	sothiazol-	-3-one [EC-r	no. 247-500-7	and	
2-Meth	hyl-2H-is	sothiazol-3-one	e [EC-no	. 220-239-				
Spec			Daphni	a magna				
EC5	u ation of e	xnosure		0,126 48	h	mg/l		
		iazol-3(2h)-one	`	10				
Spec				a magna				
EC5	-			2,94		mg/l		
Dura	ation of e	xposure		48	h			
Algae	-	(Component	-					
Algae t A mixt	ture of:	5-Chloro-2-me	thyl-2h-i					
Algae t A mixt 2-Meth	ture of: { hyl-2H-is		thyl-2h-i e [EC-no	. 220-239-	6] (3:1) / C(l			
Algae t A mixt	ture of: { hyl-2H-is	5-Chloro-2-me	thyl-2h-i e [EC-no	. 220-239-				
Algae t A mixt 2-Metl Spec EC5 Dura	t ure of: h yl-2H-is cies 0 ation of e	5-Chloro-2-me sothiazol-3-one xposure	t hyl-2h-i E [EC-no Selena	. 220-239- strum cap	6] (3:1) / C(l	M)IT/MIT (3:1)		
Algae t A mixt 2-Metl Spec EC5 Dura 1,2-Be	ture of: s hyl-2H-is cies 0 ation of e enzisothi	5-Chloro-2-me sothiazol-3-one	thyl-2h-i EEC-no Selena	. 220-239- strum cap 0,027 72	6] (3:1) / C(I ricornutum h	M)IT/MIT (3:1) mg/l		
Algae t A mixt 2-Metl Spec EC5 Dura 1,2-Be Spec	ture of: hyl-2H-is cies 0 ation of e enzisothicies	5-Chloro-2-me sothiazol-3-one xposure	thyl-2h-i EEC-no Selena	. 220-239- strum cap 0,027 72 okirchnerie	6] (3:1) / C(I ricornutum	M)IT/MIT (3:1) mg/l		
Algae t A mixt 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5	ture of: hyl-2H-is cies ation of e enzisothic cies	5-Chloro-2-mer sothiazol-3-one xposure iazol-3(2h)-one	thyl-2h-i EEC-no Selena	. 220-239- strum cap 0,027 72	6] (3:1) / C(l ricornutum h Ila subcapita	M)IT/MIT (3:1) mg/l		
Algae f A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura	ture of: hyl-2H-is cies tition of e enzisothic cies 50 attion of e	5-Chloro-2-me sothiazol-3-one xposure iazol-3(2h)-one xposure	ihyl-2h-i EC-no Selena Pseudo	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72	6] (3:1) / C(I ricornutum h	M)IT/MIT (3:1) mg/l		
Algae f A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi	ture of: hyl-2H-is cies ation of e enzisothi cies 50 ation of e istence	5-Chloro-2-me sothiazol-3-one iazol-3(2h)-one xposure e and degrad	ihyl-2h-i EC-no Selena Pseudo	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72	6] (3:1) / C(l ricornutum h Ila subcapita	M)IT/MIT (3:1) mg/l		
Algae f A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera	ture of: 4 hyl-2H-is cies attion of e enzisothi cies 50 attion of e istence al inforr	5-Chloro-2-me sothiazol-3-one iazol-3(2h)-one xposure e and degrad	EC-no Selena Pseudo	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72	6] (3:1) / C(l ricornutum h lla subcapita h	M)IT/MIT (3:1) mg/l		
Algae f A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Pers Genera Ther	ture of: 4 hyl-2H-is cies 0 attion of e mzisothic cies 50 attion of e istence al inform re are no	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure and degrac nation data available	ihyl-2h-i EC-no Selena Pseudo dability on the m	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72	6] (3:1) / C(l ricornutum h lla subcapita h	M)IT/MIT (3:1) mg/l		
Algae f A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Pers Genera Ther 12.3. Bioa	ture of: 4 hyl-2H-is cies 0 attion of e mzisothi cies 50 attion of e istence al inforr re are no ccumu	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure and degrac mation data available lative potem	ihyl-2h-i EC-no Selena Pseudo dability on the m	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72	6] (3:1) / C(l ricornutum h lla subcapita h	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Pers Genera Ther 12.3. Bioa Genera	ture of: 4 hyl-2H-is cies attion of e enzisothi cies 50 attion of e istence al inforr re are no ccumu al inforr	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure and degrac mation data available lative potem	byl-2h-i [EC-no Selena Pseudo dability on the m tial	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h	M)IT/MIT (3:1) mg/l		
Algae of A mixit 2-Metil Spect EC5 Dura 1,2-Be Spect ErC5 Dura 12.2. Persil Genera Ther 12.3. Bioar Genera Ther	ture of: 4 hyl-2H-is bies attion of e enzisothic bies attion of e istence attion of e istence cal inforr re are no ccumu at inforr re are no	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure e and degrad mation data available lative poten mation data available	byl-2h-i [EC-no Selena Pseudo dability on the m tial	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera Ther 12.3. Bioa Genera Ther 12.4. Mobi	ture of: 4 hyl-2H-is cies attion of e mzisothic cies 50 attion of e istence al inforr re are no ccumu al inforr re are no clity in s	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure e and degrac nation data available lative poten mation data available soil	byl-2h-i [EC-no Selena Pseudo dability on the m tial	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Pers 12.2. Pers 12.3. Bioa Genera Ther 12.4. Mobi Genera	ture of: hyl-2H-is cies o attion of e enzisothic cies 50 attion of e istence al inforr re are no ccumu al inforr re are no clity in s al inforr	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure and degrace mation data available lative poten mation data available soil mation	Thyl-2h-i [EC-no Selena Pseudo dability on the m tial on the m	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h f.	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera Ther 12.3. Bioa Genera Ther 12.4. Mobi Genera Ther	ture of: 4 hyl-2H-is cies attion of e enzisothic cies 50 attion of e istence attion of e istence cumu at inforr re are no cumu at inforr re are no ility in s attinforr re are no	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure e and degrad mation data available lative potem mation data available soil mation data available	hyl-2h-i EC-no Selena Pseudo dability on the m tial on the m	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel ixture itsel	6] (3:1) / C(I ricornutum h Ila subcapita h f. f.	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera Ther 12.3. Bioac Genera Ther 12.4. Mobi Genera Ther 12.5. Resu	ture of: 4 hyl-2H-is cies attion of e enzisothic cies attion of e istence attion of e istence cumu at inforr e are no cumu at inforr	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure e and degrad mation data available lative poten mation data available soil mation data available PBT and vPv	hyl-2h-i EC-no Selena Pseudo dability on the m tial on the m	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel ixture itsel	6] (3:1) / C(I ricornutum h Ila subcapita h f. f.	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera Ther 12.3. Bioa Genera Ther 12.4. Mobi Genera Ther 12.5. Resu	ture of: 4 hyl-2H-is cies 0 attion of e missorhic cies 50 attion of e istence al inforr re are no ccumu al inforr re are no lity in s al inforr re are no lity of f al inforr	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure and degrad nation data available lative poten mation data available soil nation data available PBT and vPv mation	Ability on the m on the m B asse	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel ixture itsel ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h f. f.	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera Ther 12.3. Bioa Genera Ther 12.4. Mobi Genera Ther 12.5. Resu Genera Ther	ture of: 4 hyl-2H-is cies attion of e enzisothic cies 50 attion of e istence al inforr re are no ccumu al inforr re are no ility in s al inforr re are no ilits of F al inforr re are no	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure e and degrad mation data available lative potem mation data available soil mation data available PBT and vPv mation data available	Ability on the m on the m B asse	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel ixture itsel ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h f. f.	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera Ther 12.3. Bioa Genera Ther 12.4. Mobi Genera Ther 12.5. Resu Genera Ther	ture of: 4 hyl-2H-is cies attion of e enzisothic cies 50 attion of e istence al inforr re are no ccumu al inforr re are no ility in s al inforr re are no ilits of F al inforr re are no	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure and degrad nation data available lative poten mation data available soil nation data available PBT and vPv mation	Ability on the m on the m B asse	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel ixture itsel ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h f. f.	M)IT/MIT (3:1) mg/l		
Algae a A mixi 2-Meti Spec EC5 Dura 1,2-Be Spec ErC5 Dura 12.2. Persi Genera Ther 12.3. Bioa Genera Ther 12.4. Mobi Genera Ther 12.5. Resu Genera Ther 12.5. Resu	ture of: 4 hyl-2H-is cies attion of e enzisothic cies 50 attion of e istence al inforr re are no ccumu al inforr re are no ility in s al inforr re are no ilits of F al inforr re are no	5-Chloro-2-mer sothiazol-3-one iazol-3(2h)-one xposure e and degrad mation data available lative poten mation data available soil mation data available PBT and vPv mation data available rse effects	Ability on the m on the m B asse	. 220-239- strum cap 0,027 72 okirchnerie 0,11 72 ixture itsel ixture itsel ixture itsel	6] (3:1) / C(I ricornutum h Illa subcapita h f. f.	M)IT/MIT (3:1) mg/l		

MSDS for #48937 - MARBU SCRN PRNTNG KT	Page
1113D3 101 #40937 - MARBU SCRIVERINING KI	Ŭ 🦲
Safety data sheet in accordance with regulation (EC) No 1907/2006	

Trade name: Marabu Printing Ink Screen Set FSC100% MNA 960

Version: 1/GB

Replaces Version: - / GB

Substance number: 170390000082-960

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses. Dispose of waste according to applicable legislation. Dispose of as hazardous waste.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste. Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport	The product does not constitute a hazardous substance in sea transport	The product does not constitute a hazardous substance in air transport
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	_
Label			
14.4. Packing group	-	-	-
Transport category	0		
14.5. Environmental hazards		no	
	-		-

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

no

SECTION 15: Regulatory information

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

voc

VOC (EU)

0,06 %

Item Numbers: 48937-1009

Page 8(9)

Date revised: 14.10.2021 Print date: 07.03.22

e name: Marabu Printing Inl	Screen Set F	SC100% MNA 960		\sim
-		Version: 1/GB		Date revised: 14.10.202
stance number: 170390000	082-960	Replaces Version:	- / GB	Print date: 07.03.2
VOC (EU)		0,6	g/l	
	ecmont	,	0	
 Chemical safety ass For this preparation a ch 	emical safety:	assessment has not	been carried o	out
i or this proparation a on	Simour Surety			
CTION 16: Other info	ormation			
Hazard statements liste	d in Chapte	⁻ 3		
H301		wallowed.		
H302		if swallowed.		
H310		contact with skin.		
H311		contact with skin.		
H314 H315		severe skin burns a	nu eye damage	∃.
H315 H317		skin irritation. se an allergic skin r	aaction	
H318		se an allergic skin in serious eye damage		
H330	Fatal if in			
H332		if inhaled.		
H400	Very toxi	c to aquatic life.		
H410	Very toxi	c to aquatic life with	long lasting ef	ffects.
H411	Toxic to	aquatic life with long	g lasting effects	3.
CLP categories listed in	Chapter 3			
Acute Tox. 2		kicity, Category 2		
Acute Tox. 3		kicity, Category 3		
Acute Tox. 4		kicity, Category 4		
Aquatic Acute 1		us to the aquatic en		
Aquatic Chronic 1 Aquatic Chronic 2		us to the aquatic en us to the aquatic en		
Eye Dam. 1		eye damage, Categ		onic, category z
Skin Corr. 1B		osion, Category 1B		
Skin Corr. 1C		osion, Category 1C		
Skin Irrit. 2	Skin irrita	ation, Category 2		
Skin Sens. 1		sitization, Category		
Skin Sens. 1A	Skin sen	sitization, Category	1A	
Supplemental informati	on			
				sheet are marked with: ***
This information is based				
guarantee for any specifi	c product prop	perties and shall not	establish a leg	gally valid relationship.
	arety Data She	eet is based on the	present state o	f knowledge and current
legislation.	alth safety	and environmental a	spects of the r	product and should not be
construed as any guaran				
				Section 1 without first referring
to the supplier and obtain		•		
			the supplier's	control, the user is responsible
for ensuring that the requ				
				e user's own assessment of
workplace risks, as requi	red by other h	ealth and safety leg	islation.	

Frade name: Marabu Printi	ng Ink Screen Se	t FSC100% MNA 974 Version: 1 / GB	Marabi Date revised: 14.10.2021
Substance number: 17039	00000082-974	Replaces Version: - / GB	Print date: 07.03.22
company/undertaki 1.1. Product identifier Marabu Printing Inf	ng Screen Set FSC		
Use of the substance Screen printing ink		substance or mixture and u	ses advised against
Identified Uses			
SU21 PC9a		ses: Private households (= general p l paints, thinners, paint removers	ublic = consumers)
1.3. Details of the sup	-	afety data sheet	
Address/Manufactu Marabu GmbH & C Asperger Strasse 4 71732 Tamm Germany Telephone no. Fax no. Information provide by / telephone E-mail address of person responsible for this SDS	o. KG +49-7141/69 +49-7141/69 d Department p PRSI@maral	1-147 product safety	
1.4. Emergency telepl (+49) (0)621-60-43 SECTION 2: Hazard	333	tion	
2.1. Classification of t This product is not		e or mixture ous in accordance with Regulation (B	EC) No 1272/2008.
2.2. Label elements			
Labelling accordi EUH208 Contains	A mixture of:	on (EC) No 1272/2008 5-Chloro-2-methyl-2h-isothiazol-3-o	
0	1,2-Benzisoth	isothiazol-3-one [EC-no. 220-239-6] niazol-3(2h)-one, May produce an al	
Supplemental infor			
	product: A mixtur	(EU) NO 528/2012 re of: 5-Chloro-2-methyl-2h-isothiazo . 220-239-6] (3:1) / C(M)IT/MIT (3:1)	
2.3. Other hazards No special hazards	have to be menti	oned.	
SECTION 3: Compo	sition/infor	mation on ingredients	
3.2. Mixtures			
Hazardous ingredie	ents		
		Page 1(9)	Page 10

ubstance number: 170390			1/GI			Date revised: 14.10.20	-
	0000082-974	Replace	es Versie	on: -/GE	8	Print date: 07.03	3.22
Pyridin-2-thiol-1-oxid	e, sodium salt						
CAS No.	3811-73-2						
EINECS no.	223-296-5	0.001		0.1	0/		
Concentration	>=	0,001	<	0,1	%		
Classification (Regul	ation (EC) No. 12	272/2008)					
	Eye Dam. 1		H318				
	Acute Tox. 4		H302				
	Acute Tox. 4		H332				
	Aquatic Acute		H400				
	Aquatic Chron	IC 2	H411				
Concentration limits	(Regulation (EC) Aquatic Acute			= 100			
1,2-Benzisothiazol-3(
CAS No.	2634-33-5						
EINECS no.	220-120-9						
Concentration			<	0,05	%		
	ation (EQ) No. 4(
Classification (Regul	Aquatic Acute		H400				
	Skin Sens. 1		H317				
	Acute Tox, 4		H302				
	Skin Irrit. 2		H315				
	Eye Dam. 1		H318				
	Acute Tox. 2		H330				
	Aquatic Chron	ic 2	H411				
Concentration limits	(Regulation (EC) Skin Sens. 1	No. 1272/ H317		0.05			
A mixture of: 5-Chlor		-		0,05	7 500 71 and		
2-Methyl-2H-isothiazo	ol-3-one [EC-no.						
CAS No. Concentration	55965-84-9		<	0,001	%		
Classification (Regul	ation (EC) No. 12	272/2008)					
Classification (Logan	Acute Tox. 2		H330				
	Aquatic Chron	ic 1	H410				
	Aquatic Acute	1	H400				
	Skin Sens. 1A		H317				
	Skin Corr. 1C		H314				
	Acute Tox. 2		H310				
	Acute Tox. 3 Eye Dam. 1		H301 H318				
Concentration limits	,	No 1272/					
	Skin Corr. 1C	H314		0,6			
	Eye Irrit. 2	H319		0,06 < 0,6	i		
	Skin Irrit. 2	H315		0,06 < 0,6	i		
	Skin Sens. 1	H317		0,0015			
	Aquatic Acute			= 100			
	Aquatic Chron	ic H410) Mi	= 100			
	1 Eye Dam. 1	H318	3 >=	0,6 %			
	, <u> </u>		-	,			

MSDS for #48937 - MARBU SCRN PRNTNG Safety data sheet in accordance with regu l	lation (EC) No 1907/2006	
rade name: Marabu Printing Ink Screen Set	ESC100% MNA 974	
	Version: 1/GB	Date revised: 14.10.2021
Substance number: 1703900000082-974	Replaces Version: - / GB	Print date: 07.03.22
4.1. Description of first aid measure After skin contact	es	
Wash with plenty of water and soap.	Do NOT use solvents or thinners.	
After eye contact		
Separate eyelids, wash the eyes thor	oughly with water (15 min.). In case	of irritation consult an oculist.
After ingestion		
Rinse mouth thoroughly with water. If medical treatment.	f larger amounts are swallowed or in	the event of symptoms take
4.2. Most important symptoms and Until now no symptoms known so far	effects, both acute and dela	yed
4.3. Indication of any immediate me	edical attention and special t	reatment needed
Hints for the physician / treatment Treat symptomatically	:	
ECTION 5: Firefighting measu	ires	
5.1. Extinguishing media		
Suitable extinguishing media		
Carbon dioxide, Foam, Sand, Water		
5.2. Special hazards arising from th In the event of fire the following can b black smoke; Nitrogen oxides (NOx)		Carbon monoxide (CO); dense
5.3. Advice for firefighters		
Other information		
Collect contaminated fire-fighting wat	er separately, must not be discharge	ed into the drains.
ECTION 6: Accidental release	measures	
6.1. Personal precautions, protectiv No particular measures required.	e equipment and emergenc	y procedures
6.2. Environmental precautions		
No particular measures required.		
6.3. Methods and material for conta Clean preferably with a detergent - av		
6.4. Reference to other sections Information regarding Safe handling, see Section 8. Information regarding	see Section 7. Information regarding waste disposal, see Section 13.	g personal protective measures,
ECTION 7: Handling and stora	age	
7.1. Precautions for safe handling		
Advice on safe handling		
Avoid skin and eye contact. Smoking	, eating and drinking shall be prohib	ited in application area.
Advice on protection against fire a		
No special measures required.	-	

MSDS for #48937 - MARBU SCRN PF	RNTNG KT				Page + • ···
Safety data sheet in accordance wi	th regulation (EC) N	lo 1907/	2006		
Frade name: Marabu Printing Ink Scr	een Set FSC100% N Version:				Date revised: 14.10.2021
Substance number: 170390000082			- / GB		Print date: 07.03.22
Requirements for storage re	ooms and vessels	5			
Store in frostfree conditions.					
7.3. Specific end use(s) Paint					
SECTION 8: Exposure cor	ntrols/persona	l prot	ection		
8.1. Control parameters Other information There are not known any furt	her control paramete	rs.			
8.2. Exposure controls					
Exposure controls Provide adequate ventilation.					
SECTION 9: Physical and	chemical proj	oerties	5		
9.1. Information on basic phy	sical and chemi				
Form Colour	liquid coloured				
Odour	odourless				
	ououness				
Odour threshold	No data availabl	-			
Remarks	No data availabl	e			
pH value Value	7	to	0		
Temperature Method	20 WTW PH 340	°C	9		
Melting point Remarks	not determined				
Freezing point					
Remarks	not determined				
Initial boiling point and boil	ing range				
Value Pressure Source	appr. 100 1.013 Literature value	hPa		°C	
Flash point Remarks	Not applicable				
Evaporation rate (ether = 1)	• •				
Remarks	not determined				
Flammability (solid, gas) Not applicable					
Upper/lower flammability or Remarks	r explosive limits not determined				
Vapour pressure					
Value Temperature Method	appr. 23 20 Value taken from	°C	ature	hPa	
			aure		
Vapour density Remarks	not determined				

/ISDS for #48937 - N Safety data sheet ir	/IARBU SCRN PRN	IING KT regulati	on (EC) N	o 1907/ 3	006			Page 14
rade name: Marab		n Set F		INA 974			Date revised:	
Substance number:	1703900000082-9		Replaces		- / GB			ate: 07.03.22
Density								
Value			1,02			g/cm³		
Temperature	e		20	°C				
Method		DIN EI	N ISO 281	1				
Solubility in v	water							
Remarks		miscib	le					
Ignition temp	erature							
Remarks		not de	termined					
Viscosity								
dynamic								
Value	_		10000	to	25000	mPa.s		
Temperature Method	Э	Brookf	20 ield	°C				
		DIOOKI						
9.2. Other inform	nation							
Other information None known								
	•							
SECTION 10: S	<u>Stability and r</u>	eactiv	<u>vity</u>					
10.1. Reactivity None								
10.2. Chemical s No hazardou	stability us reactions known.							
10.3. Possibility No hazardou	of hazardous r us reactions known.		ns					
10.4. Conditions No hazardou	s to avoid us reactions known.							
10.5. Incompatik	ole materials							
10.6. Hazardous No hazardou	decomposition							
SECTION 11: T	oxicological	infor	mation					
11.1. Information								
Acute oral to	-							
Remarks	-	ased on	available	tata the	classificat	tion criteria	a are not met.	
			avaliable (Classifical			
	xicity (Compone	1115)						
	niazol-3(2h)-one	.+						
Species LD50	ra		193			mg/kg		
Acute derma	l toxicity	•						
Remarks	-	ased on	available	tata the	classificat	tion criteria	a are not met.	
	I toxicity (Compo				ciacomoa		a aro not mot.	
1,2-Benzisotr Species	niazol-3(2h)-one ra	at						
0000000	10							
LD50		4	115			mg/kg		

Page 5(9)

afety data sheet in accordance w	•						\mathbf{N}
ade name: Marabu Printing Ink Sc	reen Set I					_	Maral
			n: 1/GB				d: 14.10.202
ubstance number: 170390000008	2-974	Replac	es Version:	- / GB		Print	date: 07.03.2
Acute inhalational toxicity							
Remarks	Based o	n availat	ole data, the	classifica	tion criteria	are not met.	
Skin corrosion/irritation							
Remarks	Based o	n availat	ole data, the	classifica	tion criteria	are not met.	
Serious eye damage/irritat							
Remarks		n availat	ole data, the	classifica	tion criteria	are not met.	
Sensitization			,				
Remarks	Based o	n availat	ole data. the	classifica	tion criteria	are not met.	
Mutagenicity			,				
Remarks	Based o	n availat	le data the	classifica	tion criteria	are not met.	
	Dubbu U	uvanai		Siassinica		are not met.	
Reproductive toxicity Remarks	Basada	n availat	No data tha	classifics	tion critoria	are not mot	
	Daseu 0	n avaliat		ciassifica	non chierla	are not met.	
Carcinogenicity	Peecel -	0.000	la data the	olooo:fi	tion only! -		
Remarks			pie data, the	classifica	uon criteria	are not met.	
Specific Target Organ Tox	city (ST)					
Single exposure							
Remarks	Based o	n availat	ole data, the	classifica	tion criteria	are not met.	
Repeated exposure Remarks	Based o	n availat	ole data, the	classifica	tion criteria	are not met.	
Aspiration hazard			-				
Based on available data, the	classifica	tion crite	ria are not r	net.			
Experience in practice							
Provided all the recommend risk to health can be expected		ive and s	safety preca	utions are	taken, exp	erience show	rs that no
Other information							
There are no data available	on the mix	dure itse	lf.				
The mixture has been asses 1272/2008 and classified for	sed follow	ing the a	additivity me		e CLP Reg	ulation (EC) N	10
	.c.louiog			.9.7.			
ECTION 12: Ecological i	nforma	ation					
2.1. Toxicity							
General information							
There are no data available							
mixture has been assessed and is not classified as dang				ou oi the (LP Regula	AUON (EC) NO	121212008
Fish toxicity (Components			erniont.				
		- 41+ 1	0		00 71 '		
A mixture of: 5-Chloro-2-me 2-Methyl-2H-isothiazol-3-one							
Species			-oj (3.1)7 C		(0.1)		
LC50		0,188		,	mg/l		
Duration of exposure		96	h				
1,2-Benzisothiazol-3(2h)-one							
Species		•	ncorhynchu	s mykiss)			
LC50 Duration of exposure		2,18 96	h		mg/l		
Duration of exposure		30					
Daphnia toxicity (Compone							

MSDS for #48937 - MARBU SCR Safety data sheet in accordance		G KT) No 1907/2	2006	Page 🗠
Trade name: Marabu Printing In					
			: 1/GB		Date revised: 14.10.2021
Substance number: 170390000	0082-974		es Version:	- / GB	Print date: 07.03.22
		•			
2-Methyl-2H-isothiazol-3 Species		o. 220-239- nia magna	6] (3:1) / C(M)IT/MIT (3:1)	
EC50	Dapin	0,126		mg/l	
Duration of exposure		48	h	5	
1,2-Benzisothiazol-3(2h)	-one				
Species	Daphr	nia magna			
EC50 Duration of exposure		2,94 48	h	mg/l	
Algae toxicity (Compon	onte)	40			
	-	isathianal		ne 247 500 71 en	-1
A mixture of: 5-Chloro-2- 2-Methyl-2H-isothiazol-3 Species	-one [EC-n		6] (3:1) / C(la
EC50		0,027		mg/l	
Duration of exposure		72	h	-	
1,2-Benzisothiazol-3(2h)					
Species	Pseuc		lla subcapit		
ErC50 Duration of exposure		0,11 72	h	mg/l	
 12.3. Bioaccumulative por General information There are no data availa 12.4. Mobility in soil General information There are no data availa 12.5. Results of PBT and General information There are no data availa 	ble on the r ble on the r vPvB ass	nixture itsel sessment	f.		
12.6. Other adverse effect	s				
General information There are no data availa	ble on the r	nixture itsel	f.		
SECTION 13: Disposal	conside	erations	<u>.</u>		
13.1. Waste treatment me					
Disposal recommendat	ions for th	e produc	t		
Do not allow to enter dra Dispose of waste accord Dispose of as hazardous	ins or wate	r courses.			
Disposal recommendat	ions for p	ackaging			
Packaging that cannot b Completely emptied pac					
SECTION 14: Transpor	<u>t inform</u>	ation			

MSDS for #48937 - MARBU SCRN PRNTNG KT -Safety data sheet in accordance with regulation (EC) No 1907/2006

barety data sheet in accordance with regulation (EO) No 1301/2000

Trade name: Marabu Printing Ink Screen Set FSC100% MNA 974

Page

Print date: 07.03.22

Marab Date revised: 14.10.2021

Substance number: 170390000082-974

Version: 1/GB

74 Replaces Version: - / GB

	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

voc

VOC (EU) VOC (EU) % 3,6

g/l

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

0,35

SECTION 16: Other information

Hazard statements lis	sted in Chapter 3
-----------------------	-------------------

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal 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.

	IARBU SCRN PRNTNG	lation (EC) No 1907/2006	Date revised: 14.10.2021
Substance number:	170390000082-974	Replaces Version: - / GB	Print date: 07.03.22
H330		inhaled.	
H332		ul if inhaled.	
H400		oxic to aquatic life.	
H410 H411		oxic to aquatic life with long lasting to aquatic life with long lasting effe	
	es listed in Chapter 3	1 0 0	
Acute Tox. 2	Acute 1	toxicity, Category 2	
Acute Tox. 3		toxicity, Category 3	
Acute Tox. 4		toxicity, Category 4	
Aquatic Acu		dous to the aquatic environment, a	
Aquatic Chro		dous to the aquatic environment, c	
Aquatic Chro		dous to the aquatic environment, c	nronic, Category 2
Eye Dam. 1 Skin Corr. 10		s eye damage, Category 1 orrosion, Category 1C	
Skin Corr. 10 Skin Irrit. 2		ritation, Category 2	
Skin Sens. 1		ensitization, Category 1	
Skin Sens. 1		ensitization, Category 1A	
Supplementa			
legislation. It provides g construed as The product to the suppli As the speci for ensuring The informat	uidance on health, safety s any guarantee of techn should not be used for p er and obtaining written l fic conditions of use of th that the requirements of tion contained in this safe	Sheet is based on the present state y and environmental aspects of the ical performance or suitability for p purposes other than those shown in handling instructions. The product are outside the supplier relevant legislation are complied v ety data sheet does not constitute r health and safety legislation.	e product and should not be particular applications. n Section 1 without first referring r's control, the user is responsible with.

MSDS for #48937 - MARBU SC	CRN PRNTNG	KŢ	Page 10.44
Safety data sheet in accorda	nce with regul	ation (EC) No 1907/2006	
rade name: Marabu Printing	Ink Screen Set	FSC100% MNA 913	Marabu
		Version: 2 / GB	Date revised: 11.11.2021
Substance number: 1703900	00082-913	Replaces Version: 1 / GB	Print date: 07.03.22
Ompany/undertaking 1.1. Product identifier Marabu Printing Ink So	Creen Set FSC uses of the s reparation Consumer us Coatings and ier of the sa	substance or mixture and es: Private households (= genera paints, thinners, paint removers fety data sheet -0 -147	d uses advised against al public = consumers)
E-mail address of person responsible for this SDS 1.4. Emergency telepho		u.com	
(+49) (0)621-60-43333		•	
ECTION 2: Hazards			
2.1. Classification of the This product is not cla		or mixture ous in accordance with Regulation	n (EC) No 1272/2008.
2.2. Label elements			
Labelling according	to regulation	on (EC) No 1272/2008	
EUH208 Contains ***	5-Chloro-2-me 2-Methyl-2H-i	sothiazol-3-one, A mixture of: ethyl-2h-isothiazol-3-one [EC-no. sothiazol-3-one [EC-no. 220-239 iazol-3(2h)-one, May produce ar	9-6] (3:1) / Ć(M)IT/MIT (3:1),
Supplemental inform	ation		
Supplemental information		(EU) No 528/2012	
Labelling according t	o regulation ((
Labelling according to Contains a biocidal pro	oduct: A mixture	e of: 5-Chloro-2-methyl-2h-isothi 220-239-6] (3:1) / C(M)IT/MIT (
Labelling according to Contains a biocidal pro	oduct: A mixture I-3-one [EC-no.	e of: 5-Chloro-2-methyl-2h-isothi 220-239-6] (3:1) / C(M)IT/MIT (3	
Labelling according to Contains a biocidal pro 2-Methyl-2H-isothiazo 2.3. Other hazards No special hazards ha	oduct: A mixture I-3-one [EC-no. Ive to be mentic	e of: 5-Chloro-2-methyl-2h-isothi 220-239-6] (3:1) / C(M)IT/MIT (3	3:1)
Labelling according to Contains a biocidal pro 2-Methyl-2H-isothiazo 2.3. Other hazards No special hazards ha	oduct: A mixture I-3-one [EC-no. Ive to be mentic	e of: 5-Chloro-2-methyl-2h-isothi . 220-239-6] (3:1) / C(M)IT/MIT (3 pned.	3:1)

Page 19 of 27

ISDS for #48937 - MARBU Safety data sheet in accor	SCRN PRNTNG	KT	No 100	7/2006		Page 🟫
-	_					
ade name: Marabu Printi	ng Ink Screen Set					Marab
		Version	: 2/GE	3		Date revised: 11.11.2021
ubstance number: 17039	00000082-913	Replace	es Versio	on: 1/G	В	Print date: 07.03.22
Pyridin-2-thiol-1-oxi	de. sodium salt					
CAS No.	3811-73-2					
EINECS no.	223-296-5					
Concentration	>=	0,001	<	0,1	%	
Classification (Regu	ulation (EC) No. 1	272/2008)				
	Eye Dam. 1		H318			
	Acute Tox. 4		H302			
	Acute Tox. 4		H332			
	Aquatic Acute		H400			
	Aquatic Chror	IIC 2	H411			
Concentration limits	(Regulation (EC) Aquatic Acute			= 100		
1,2-Benzisothiazol-3		1 1400	J IVI -	- 100		
CAS No.	2634-33-5					
EINECS no.	220-120-9					
Concentration			<	0,05	%	
Classification (Regu	ulation (EC) No. 1	272/2008)				
	Aquatic Acute		H400			
	Skin Sens. 1		H317			
	Acute Tox. 4		H302			
	Skin Irrit. 2		H315			
	Eye Dam. 1		H318			
	Acute Tox. 2		H330			
	Aquatic Chror	IIC 2	H411			
Concentration limits	(Regulation (EC) Skin Sens. 1	/No. 1272 (H317		0,05		
A mixture of: 5-Chlo		_			7 500 71 on	4
2-Methyl-2H-isothiaz	zol-3-one [ÉC-no					4
CAS No. Concentration	55965-84-9		<	0,001	%	
Classification (Regu	ulation (EC) No. 1	272/2008)				
Classification (rege	Acute Tox. 2	272/2000)	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			
	Eye Dam. 1		H318			
Concentration limits						
	Skin Corr. 1C			0,6		
	Eye Irrit. 2	H319		0,06 < 0,6		
	Skin Irrit. 2	H315		0,06 < 0,6)	
	Skin Sens. 1 Aquatic Acute	H317 1 H410		0,0015 = 100		
	Aquatic Acute			= 100 = 100		
	1		- IVI -	- 100		
	Eye Dam. 1	H318	3 >=	0,6 %		
	Lye Dam. T					
2-Methyl-2H-isothia	zol-3-one					
2-Methyl-2H-isothia: CAS No. EINECS no.	-					

6 2 6	-	ntal precautions					
	Personal p	recautions, protect ar measures required.			d emerç	gency p	procedures
SEC	<u>TION 6</u> : A	ccidental releas	<u>se mea</u> su	res			
C	Other inform Collect con	nation Itaminated fire-fighting v	vater separate	ely, must r	not be dis	charged	into the drains.
		firefighters					
		te; Nitrogen oxides (NO			nonoxide	(CO); C	
5.2. \$		zards arising from					arbon dioxide (CO2); dense
S		inguishing media xide, Foam, Sand, Wate	ər				
	Extinguishi	-					
SEC	TION 5: Fi	irefighting meas	<u>sures</u>				
F	Treat symp	e physician / treatme otomatically	int				
		of any immediate n		ention a	nd spe	cial tre	atment needed
- T. £. I		o symptoms known so f				aciaye	
4 2 4	medical trea Most impor	atment. rtant symptoms an	d effecte b	ooth acu	Ite and	delave	h
,	Rinse mout	th thoroughly with water	. If larger amo	ounts are	swallowe	d or in th	e event of symptoms take
4	Separate e <u>:</u> After ingesti		ioroughly with	water (18	s min.). In	case of	irritation consult an oculist.
4	After eye co						instation consult as a sufficient
,		plenty of water and soa	p. Do NOT us	e solvents	s or thinne	ers.	
	Description After skin co	າ of first aid measເ ontact	ires				
		irst aid measure					
				– 1	-		
		Skin Sens. Aquatic Act	1Á H317	>= 0,			
	Concentrati	ion limits (Regulation (E	C) No. 1272/2	2008)			
		Aqualic Chi Acute Tox.		H311			
		Skin Sens. Aquatic Ch	1A	H317 H410			
		Eye Dam. 1 Aquatic Act		H318 H400			
		Skin Corr. 1		H330 H314			
	Classificatio	Acute Tox. Acute Tox.	3	H301			
		on (Regulation (EC) No	1272/2008)		5,0010	70	
	Concentrati	ion	•	< (0,0015	%	
Substa	ance number:	1703900000082-913		27GB s Version:	: 1/GB		Date revised: 11.11.2021 Print date: 07.03.22
rade	name: Marat	bu Printing Ink Screen S	Set FSC100% Version:		5		Marabu Marabu

Page 21 of 27

/ISDS for #48937 - MARBU SCRN PRNTNO Safety data sheet in accordance with regu	∃KT Hation (EC) N	<u>o 1907/</u>	2006			Page
Saloty data shoet in accordance with lege		5 1 50m				
rade name: Marabu Printing Ink Screen Se	et FSC100% M	NA 913				ΔV
	Version: 2	2 / GB			Date revised	: 11.11.2021
Substance number: 1703900000082-913	Replaces \	Version:	1 / GB		Print o	date: 07.03.22
	•					
6.3. Methods and material for cont Clean preferably with a detergent - a			ning up			
6.4. Reference to other sections Information regarding Safe handling see Section 8. Information regarding					onal protective	measures,
ECTION 7: Handling and stor	age					
7.1. Precautions for safe handling						
Advice on safe handling						
Avoid skin and eye contact. Smokin	a eating and d	lrinkina s	shall be pr	rohibited in	application are	a
Advice on protection against fire No special measures required.		-				
7.2. Conditions for safe storage, in			npatibili	ITIES		
Requirements for storage rooms Store in frostfree conditions.	and vessels					
7.3. Specific end use(s)						
Paint						
	,					
SECTION 8: Exposure controls	s/personal	l prote	<u>ection</u>			
	s/personal	l prote	ection			
8.1. Control parameters	s/personal	l prote	<u>ection</u>			
8.1. Control parameters Other information			ection			
8.1. Control parameters Other information There are not known any further cor			<u>ection</u>			
8.1. Control parameters Other information			<u>ection</u>			
 8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls 			<u>ection</u>			
 8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls 			<u>ection</u>			
 8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. 	ntrol parameter	s.				
 8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls	ntrol parameter nical prop	rs. Derties	6			
 8.1. Control parameters Other information 	ntrol parameter <u>mical prop</u> and chemic	rs. Derties	6			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form	ntrol parameter mical prop and chemic	rs. Derties	6			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form Colour	ntrol parameter mical prop and chemic uid	rs. Derties	6			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form lique Colour reconserved Odour od	ntrol parameter mical prop and chemic	rs. Derties	6			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form liquid Colour reco Odour odd	ntrol parameter mical prop and chemic uid d ourless	s. erties al pro	6			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form lique Colour reco Odour threshold Remarks No	ntrol parameter mical prop and chemic uid	°s. ⊃erties al pro	6			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form lique Colour rec Odour od Odour threshold Remarks No pH value	ntrol parameter mical prop and chemic uid d ourless o data available	s. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form lique Colour rec Odour odd Odour threshold Remarks No pH value Value	ntrol parameter mical prop and chemic uid d ourless o data available 7	rs. erties al pro	6			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form lique Colour rec Odour od Odour threshold Remarks No pH value Value Temperature	ntrol parameter mical prop and chemic uid d ourless o data available 7 20	s. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form liqu Colour rec Odour od Odour threshold Remarks No pH value Value Temperature Method W ^T	ntrol parameter mical prop and chemic uid d ourless o data available 7	rs. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form liqu Colour rec Odour od Odour threshold Remarks No pH value Value Temperature Method W ^T	ntrol parameter mical prop and chemic uid ourless o data available 7 20 TW PH 340	rs. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form liqu Colour rec Odour od Odour threshold Remarks No pH value Value Temperature Method W ^T Remarks no	ntrol parameter mical prop and chemic uid d ourless o data available 7 20	rs. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form liqu Colour rec Odour odd Odour threshold Remarks No pH value Value Temperature Method W ^T Remarks no Freezing point	ntrol parameter mical prop and chemic uid d ourless o data available 7 20 TW PH 340 t determined	rs. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form liqu Colour rec Odour od Odour threshold Remarks No pH value Value Temperature Method W ^T Melting point Remarks no Freezing point Remarks No	ntrol parameter mical prop and chemic uid d ourless o data available 7 20 TW PH 340 t determined t determined	rs. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form lique Colour rec Odour threshold Remarks No pH value Value Temperature Method W ^T Melting point Remarks no Freezing point Remarks No	ntrol parameter mical prop and chemic uid d ourless o data available 7 20 TW PH 340 t determined t determined inge	rs. erties al pro	<u>S</u> perties			
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form lique Colour rec Odour threshold Remarks No pH value Value Temperature Method W ^T Melting point Remarks no Freezing point Remarks no Initial boiling point and boiling ra Value ap	ntrol parameter mical prop and chemic uid d ourless o data available 7 20 TW PH 340 t determined t determined inge pr. 100	rs. eerties cal pro	<u>S</u> perties	°C		
8.1. Control parameters Other information There are not known any further cor 8.2. Exposure controls Exposure controls Provide adequate ventilation. SECTION 9: Physical and cher 9.1. Information on basic physical Form liqu Colour rec Odour od Odour threshold Remarks No pH value Value Temperature Method W ^T Melting point Remarks no Freezing point Remarks No Pressure	ntrol parameter mical prop and chemic uid d ourless o data available 7 20 TW PH 340 t determined t determined inge	rs. erties al pro	<u>S</u> perties	°C		

Safety data sheet in accordance with	n Set FS		INA 913			Date revised: 11.11.2021
Substance number: 170390000082-9	13	Replaces	Version:	1 / GB		Print date: 07.03.22
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	not det	ermined				
Vapour pressure						
Value	appr.	23			hPa	
Temperature		20	°C			
Method	Value	aken from	the liter	ature		
Vapour density						
Remarks	not det	ermined				
Density						
Value		1,02	_		g/cm³	
Temperature		20 N ISO 281 ⁻	°C			
Method	DIN EI	150 281	I			
Solubility in water		-				
Remarks	miscibl	e				
Ignition temperature						
Remarks	not det	ermined				
Viscosity						
dynamic					_	
Value		10000 20	to °C	25000	mPa.s	
Temperature Method	Brookf	-				
	2.00.0					
9.2. Other information						
Other information						
None known						
SECTION 10: Stability and r	eactiv	<u>vity</u>				
10.1. Reactivity None						
10.2. Chemical stability No hazardous reactions known.						
10.3. Possibility of hazardous r No hazardous reactions known.		าร				
10.4. Conditions to avoid No hazardous reactions known.						
10.5. Incompatible materials						
	_					
10.6. Hazardous decomposition No hazardous decomposition pr	oducts k	u cts known.				

Page 23 of 27

ade name: Marabu	accordance wit			913	Date revised:	
Substance number:	170390000082	913	Replaces Vers			te: 07.03.2
			6 1 -			
1.1. Information Acute oral to		jical e	ffects			
Remarks	-	Based	on available data	the classification	criteria are not met.	
	xicity (Compon		on available data,		ontonia aro not mot.	
	iazol-3(2h)-one					
Species LD50		rat	1193	mg/	kg	
Acute dermal	toxicity			-	-	
Remarks	-	Based	on available data,	the classification	criteria are not met.	
Acute dermal	toxicity (Comp	onent	s)			
	iazol-3(2h)-one		-			
Species	• •	rat				
LD50			4115	mg/	kg	
Acute inhalat	ional toxicity					
Remarks		Based	on available data,	the classification	criteria are not met.	
Skin corrosio	n/irritation					
Remarks		Based	on available data,	the classification	criteria are not met.	
Serious eye d	lamage/irritatic	n				
Remarks		Based	on available data,	the classification	criteria are not met.	
Sensitization						
Remarks		Based	on available data,	the classification	criteria are not met.	
Mutagenicity						
Remarks		Based	on available data,	the classification	criteria are not met.	
Reproductive	toxicity					
Remarks		Based	on available data,	the classification	criteria are not met.	
Carcinogenic	ity					
Remarks		Based	on available data,	the classification	criteria are not met.	
Specific Targ	et Organ Toxic	ity (ST	OT)			
Single expo	sure					
Remarks		Based	on available data,	the classification	criteria are not met.	
Repeated e x Remarks		Based	on available data,	the classification	criteria are not met.	
Aspiration ha	zard					
Based on av	ailable data, the o	classific	ation criteria are r	not met.		
Experience in	n practice					
	the recommended can be expected		tive and safety pr	ecautions are take	en, experience shows th	nat no
Other informa	ation					
The mixture		ed follo			P Regulation (EC) No	
ECTION 12: E	cological in	form	<u>ation</u>			

There are no data available on the mixture itself.Do not allow to enter drains or water courses.The

SHOW ON STREET	RNTNG		No 1007/2	0006			Page 📲 📶
Safety data sheet in accordance w	nn regu	iation (EC)	NO 1907/2	:000			
Trade name: Marabu Printing Ink Sc	reen Set	t FSC100%	MNA 913				ΔV
-		Version:	2 / GB			Date revised:	Marabu 11.11.2021
Substance number: 17039000008	2-913	Replace	s Version:	1 / GB			late: 07.03.22
mixture has been assessed the assessed the assessed the assessed the assesses and the assesses and the assesses and the assessesses and the assessessesses and the assessesses and the assesses and the assessesses and the assesses and the assessesses and the assesses and the assesses and the assessesses and the assesses and the assessesses and the assessesses and the assessesses and the assessessessessessessessesses and the assessessessessessessessessessessessesse				od of the (CLP Regula	ation (EC) No 1	272/2008
•			iment.				
Fish toxicity (Components)							
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one							
Species		w trout (Onc			(011)		
LC50		0,188`	-	. ,	mg/l		
Duration of exposure		96	h				
1,2-Benzisothiazol-3(2h)-one							
Species	rainbov	w trout (Onc	orhynchus	s mykiss)	~~~~/l		
LC50 Duration of exposure		2,18 96	h		mg/l		
Daphnia toxicity (Compone	onte)	50					
	-			o (- -			
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one							
Species		ia magna	J (3.1)7 C((3.1)		
EC50	2 ap	0,126			mg/l		
Duration of exposure		48	h		-		
1,2-Benzisothiazol-3(2h)-one	•						
Species	Daphn	ia magna					
EC50		2,94 48	h		mg/l		
Duration of exposure		40	h				
Algae toxicity (Component	S)						
• • • • • • • • • • • • • • • • • • •	-						
A mixture of: 5-Chloro-2-me	thyl-2h-i						
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one	thyl-2h-i ∋ [EC-no	. 220-239-6	6] (3:1) / C(
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species	thyl-2h-i ∋ [EC-no	. 220-239-6 Istrum capri	6] (3:1) / C((3:1)		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50	thyl-2h-i ∋ [EC-no	. 220-239-6	6] (3:1) / C(
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure	t hyl-2h-i e [EC-no Selena	. 220-239-6 Istrum capri 0,027	5] (3:1) / C(cornutum		(3:1)		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50	thyl-2h-i e [EC-no Selena	. 220-239-6 Istrum capri 0,027	6] (3:1) / C(cornutum h	(М)ІТ/МІТ	(3:1)		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50	thyl-2h-i e [EC-no Selena	220-239-6 strum capri 0,027 72 okirchneriell 0,11	i] (3:1) / C(cornutum h a subcapit	(М)ІТ/МІТ	(3:1)		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species	thyl-2h-i e [EC-no Selena	5. 220-239-6 Istrum capri 0,027 72 Okirchneriell	6] (3:1) / C(cornutum h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50	thyl-2h-i e [EC-no Selena e Pseudo	220-239-6 Istrum capri 0,027 72 Okirchneriell 0,11 72	i] (3:1) / C(cornutum h a subcapit	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure	thyl-2h-i e [EC-no Selena e Pseudo	220-239-6 Istrum capri 0,027 72 Okirchneriell 0,11 72	i] (3:1) / C(cornutum h a subcapit	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac	thyl-2h-i Selena Pseudo dability	220-239-6 Istrum capri 0,027 72 Okirchneriell 0,11 72	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of	thyl-2h-i FEC-no Selena Pseudo dability	220-239-6 Istrum capri 0,027 72 Okirchneriell 0,11 72	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of 12.3. Bioaccumulative potent	thyl-2h-i FEC-no Selena Pseudo dability	220-239-6 Istrum capri 0,027 72 Okirchneriell 0,11 72	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of 12.3. Bioaccumulative potent General information	thyl-2h-i EC-no Selena Pseudo dability on the m tial	a. 220-239-6 Istrum capri 0,027 72 Interchneriell 0,11 72	b] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of 12.3. Bioaccumulative potent	thyl-2h-i EC-no Selena Pseudo dability on the m tial	a. 220-239-6 Istrum capri 0,027 72 Interchneriell 0,11 72	b] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available 12.3. Bioaccumulative potent General information There are no data available	thyl-2h-i EC-no Selena Pseudo dability on the m tial	a. 220-239-6 Istrum capri 0,027 72 Interchneriell 0,11 72	b] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of 12.3. Bioaccumulative potent General information	thyl-2h-i EC-no Selena Pseudo dability on the m tial	a. 220-239-6 Istrum capri 0,027 72 Interchneriell 0,11 72	b] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of General information There are no data available of 12.4. Mobility in soil	thyl-2h-i FEC-no Selena Pseudo dability on the m tial	a. 220-239-6 Istrum capri 0,027 72 Istruchneriell 0,11 72 Istrure itself	i] (3:1) / C(cornutum h a subcapit	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of General information There are no data available of 12.4. Mobility in soil General information There are no data available of Comparison There are no data available of	thyl-2h-i FIEC-no Selena Pseudo dability on the m tial on the m	a. 220-239-6 Istrum capri 0,027 72 Dokirchneriell 0,11 72 Inixture itself.	i] (3:1) / C(cornutum h a subcapit	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of General information There are no data available of 12.4. Mobility in soil General information There are no data available of 12.5. Results of PBT and vPv	thyl-2h-i FIEC-no Selena Pseudo dability on the m tial on the m	a. 220-239-6 Istrum capri 0,027 72 Dokirchneriell 0,11 72 Inixture itself.	i] (3:1) / C(cornutum h a subcapit	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrace General information There are no data available of 12.3. Bioaccumulative potent General information There are no data available of 12.4. Mobility in soil General information There are no data available of 12.5. Results of PBT and vPv General information	thyI-2h-i FEC-no Selena Pseudo dability on the m tial on the m vB asse	a. 220-239-6 Istrum capri 0,027 72 Inixture itself.	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of General information There are no data available of 12.4. Mobility in soil General information There are no data available of 12.5. Results of PBT and vPv	thyI-2h-i FEC-no Selena Pseudo dability on the m tial on the m vB asse	a. 220-239-6 Istrum capri 0,027 72 Inixture itself.	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrace General information There are no data available of 12.3. Bioaccumulative potent General information There are no data available of 12.4. Mobility in soil General information There are no data available of 12.5. Results of PBT and vPv General information	thyI-2h-i FEC-no Selena Pseudo dability on the m tial on the m vB asse	a. 220-239-6 Istrum capri 0,027 72 Inixture itself.	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available of General information There are no data available of 12.4. Mobility in soil General information There are no data available of 12.5. Results of PBT and vPv General information There are no data available of	thyI-2h-i FEC-no Selena Pseudo dability on the m tial on the m vB asse	a. 220-239-6 Istrum capri 0,027 72 Inixture itself.	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		
A mixture of: 5-Chloro-2-met 2-Methyl-2H-isothiazol-3-one Species EC50 Duration of exposure 1,2-Benzisothiazol-3(2h)-one Species ErC50 Duration of exposure 12.2. Persistence and degrac General information There are no data available 12.3. Bioaccumulative potent General information There are no data available 12.4. Mobility in soil General information There are no data available 12.5. Results of PBT and vPv General information There are no data available 12.5. Results of PBT and vPv	thyl-2h-i FIEC-no Selena Pseudo dability on the m tial on the m /B asso on the m	a. 220-239-6 Istrum capri 0,027 72 bkirchneriell 0,11 72 ixture itself. ixture itself. ixture itself. ixture itself.	i] (3:1) / C(cornutum h a subcapit h	(М)ІТ/МІТ	" (3:1) mg/l		

MSDS for #48937 - MARBU SCRN PRNTNG KT
Safety data short in accordance with regulation (EC) No 1907/2006

Trade name: Marabu Printing Ink Screen Set FSC100% MNA 913

Version: 2/GB

Replaces Version: 1 / GB

Substance number: 170390000082-913

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses. Dispose of waste according to applicable legislation. Dispose of as hazardous waste.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste. Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport	The product does not constitute a hazardous substance in sea transport	The product does not constitute a hazardous substance in air transport
14.2. UN proper shipping name	-	-	_
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	-
Label			
14.4. Packing group	-	-	-
Transport category	0		
14.5. Environmental hazards		no	
	-		-

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

no

SECTION 15: Regulatory information

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

voc

VOC (EU)

0,15 %

Item Numbers: 48937-1009

Page 8(9)

Date revised: 11.11.2021 Print date: 07.03.22

Page

a r mining mix Ocreen	Set FSC100% MNA 913		
	Version: 2/GB		Date revised: 11.11.2021
170390000082-913	3 Replaces Version:	1 / GB	Print date: 07.03.22
	1,5	g/l	
ther information in Ch	ion apter 3	t been carried c	but.
		nd eve damage	
		, o camago	
		eaction.	
Ca	uses serious eye damage		
		long locting of	facts
		g lasting enects	
Acu	ute toxicity, Category 4		
			onic, Category 2
	n sensitization, Category	1A	
	the previous version of t	be safety data	sheet are marked with: ***
tion is based on our p r any specific produc ion in this Safety Dat	present state of knowledget t properties and shall not ta Sheet is based on the	ge. However, it establish a leg present state of	should not constitute a ally valid relationship. f knowledge and current
any guarantee of te should not be used f er and obtaining writt	chnical performance or s or purposes other than th en handling instructions.	uitability for par lose shown in S	ticular applications. Section 1 without first referring
that the requirements ion contained in this	s of relevant legislation a	re complied with ot constitute the	h.
	afety assessme aration a chemical si other information nents listed in Ch Too Hai Fat Too Can Can Can Can Can Can Can Can	1,5 afety assessment aration a chemical safety assessment has no other information nents listed in Chapter 3 Toxic if swallowed. Fatal in contact with skin. Toxic in contact with skin. Toxic in contact with skin. Toxic in contact with skin. Toxic in contact with skin. Causes severe skin burns a Causes serious eye damage Fatal if inhaled. Harmful if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with Toxic to aquatic life with long a b b b c b b c b b c b b c b c b b c b c b c b c b c b c b c b c b c b c b c c b c c b c c b c c b c c b c c b c c b c c b c c b c c b c c c b c c c c c c c c	1,5 g/l afety assessment aration a chemical safety assessment has not been carried of ther information ments listed in Chapter 3 Toxic if swallowed. Harmful if swallowed. Fatal in contact with skin. Toxic in contact with skin. Toxic in contact with skin. Toxic in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled. May cause an allergic skin reaction. Causes serious eye damage. Fatal if inhaled. Very toxic to aquatic life with long lasting eff Very toxic to aquatic life with long lasting effects Very toxic to aquatic life with long lasting effects Stalisted in Chapter 3 Acute toxicity, Category 2 Acute toxicity, Category 4 Acute toxicity, Category 1 Acute toxicity, Category 1 Hazardous to the aquatic environment, chromic 2 Hazardous to the aquatic environment, chromic 2 Hazardous to the aquatic environment, chromic 2 Skin corrosion, Category 1 Skin sensitization, Category 1 Askin sensitization, Category 1 Skin sensitization, Category 1 Askin sensitization, Category 1 Skin sensitization, Category 1 Askin sensitization, Category 1 Skin sensitization, Category 1 Askin