Safety data sheet in accorda	nce with regula	tion (EC) N	o 1907/	2006	
Trade name: Marabu Sketch	Marker Heat 6tlg.	. 919			N
		Version:	3 /		Date revised: 10.02.202
Substance number: 0148000	000102-919	Replaces	Version:	2 / WORLD	Print date: 10.02.2
	den af tha				l
SECTION 1: Identifica company/undertaking		substar	nce/m	ixture and of t	<u>ne</u>
1.1. Product identifier	1				
Marabu Sketch Marke	r Heat 6tlg. 919				
1.2. Relevant identified	uses of the s	ubstance	or mi	xture and uses a	dvised against
Use of the substance/pr Paint	reparation				
1.3. Details of the suppl	ier of the safe	ety data s	sheet		
Address/Manufacture	r		1.	montor	
Marabu GmbH & Co.	KG			nporter - &S Wholesale Pty	Limited
Asperger Strasse 4 71732 Tamm				8/10 Pioneer Ave	
Germany	. 40 74 44/004	0		hornleigh NSW 2	
Telephone no. Information provided	+49-7141/691-0 Department pro			el: 1300 731 529	
by / telephone E-mail address of	PRSI@marabu	com			
person responsible	FIGI@IIIaiabu		E	mergency Contac	t:
for this SDS				&S Wholesale Pty	and the second sec
1.4. Emergency telepho (+49) (0)621-60-4333			Т	el: 1300 731 529	Fax: 1300 739 715
SECTION 2: Hazards	identificatio	<u>on</u>			
2.1. Classification of the	e substance o	or mixture	•		
Classification (Regula	ation (EC) No.	1272/2008	5)		
Classification (Regula		,	1005		
	Flam. Liq. 2 Eye Irrit. 2		1225 1319		
2.2. Label elements	-				
Labelling according	to regulation	n (EC) No	1272/	2008	
Hazard pictograms	_				
	>				
Signal word					
Danger					
Hazard statements					
H225 H319	Highly flammat			r.	
Precautionary statem		s eye innanc	<i>л</i> п.		
P101	If medical advid			product container or la	abel at hand.
P102 P210	Keep out of rea	nch of childronn heat, hot s	en.	s, sparks, open flame	

de name: Marabu Sketch	Marker rieat on	Version:	3 /			Date revised: 10.02.20
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P264.1 P280 P305+P351+P338	IF IN EYES: F lenses, if pres	ve gloves/p Rinse cautio ent and eas	rotective ously with sy to do.	clothing water f Continu	or several m	tion/face protection. ninutes. Remove contact
P501.9	Dispose of co	ntents/cont	ainer as	problem	atic waste.	
3. Other hazards	ave to be mentic	anad				
No special hazards h	ave to be mentic	neu.				
CTION 3: Compos	sition/inforr	nation o	on ing	redie	nts	
2. Mixtures						
Hazardous ingredien	its					
Ethanol	1.5					
CAS No.	64-17-5					
EINECS no.	200-578-6					
Registration no.	01-21194576	10-43				
Concentration	>=	50	<	100	%	
Classification (Regula	ation (EC) No. 1:	272/2008)				
Classification (Regul	Flam. Liq. 2		H225			
	Eye Irrit. 2		H319			
Concentration limits (Pegulation (EC)	No 1272/2	2008)			
Concentration innus (Eye Irrit. 2	H319		0 %		
1-Methoxy-2-propano						
CAS No.	107-98-2					
EINECS no.	203-539-1					
Registration no.	01-211945743	10		00	0/	
Concentration	>=	10	<	20	%	
Classification (Regula	ation (EC) No. 12	272/2008)				
	STOT SE 3		H336			
	Flam. Liq. 3		H226			

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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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

Suitable extinguishing media

Recommended: alcohol resistant foam, CO2, powders, water spray/mist, Not be used for safety reasons: water jet

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; Nitrogen oxides (NOx); Sulphur oxides

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). 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

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of particulates and spray mist arising from the application of this mixture. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one.

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Trade nam	ne: Marab	bu Sketch Mark	er Heat 6tlg	. 919			Marab
Substance	numbor	01480000001	102 010	Version: 3 / Replaces Vers	vion.		Date revised: 10.02.2023 Print date: 10.02.23
Substance	e number.	01460000001	102-919		SIOTI.	27 WORLD	1 mil date. 10.02.20
			-		t allo	ow to enter drains o	or water courses.
V	-	rotection aga e heavier than a		-	oors.	Vapours may form	explosive mixtures with
Clas	ssificatio	on of fires / te	mperature	e class / Ignitio	on g	roup / Dust exp	losion class
	lassificatio emperatur		B (Coml T3	bustible liquid su	bsta	nces)	
7.2. Cor	nditions	for safe sto	rage, inc	luding any in	con	npatibilities	
E	lectrical in tandards.		king materia in which filli	Is must comply			echnological safety conducting floor. Store in
		rage assemb	-				
	•	•	0	0,1	ne ar	nd strongly acid ma	aterials.
C s N	bserve lat ources of l lo smoking	heat and direct	. Store betw sunlight. Ke	veen 15 and 30 ° eep container tig	htly o	closed. Keep away	ed place away from from sources of ignition. st be carefully resealed and
-	ecific en aint	d use(s)					
SECTIC)N 8: E :	xposure c	ontrols/	personal p	rote	ection	
		ameters					
Der	ved No/N	Minimal Effec	t Levels (I	DNEL/DMEL)			
	anol						
	ype of valu		Deriv Work	ved No Effect Le	vel (l	DNEL)	
	eference (Juration of			term			
R	oute of ex	cposure	inhal	ative			
	lode of act		Syste	emic effects		~	a/m3
	oncentrati	ion		950		m	g/m³
	ype of valu			ved No Effect Le	vel (l	DNEL)	
	eference (Work	ker t term			
	ouration of	•	inhal				
	lode of act			l effects			
	oncentrati			1900		m	g/m³
т	ype of valu	ue	Deriv	ved No Effect Le	vel (l	DNEL)	
	eference		Work		- (,	
	uration of		-	term			
	oute of ex		derm				
	lode of act		Syste	emic effects 343		m	g/kg/d
							س س
	ype of valu		-	ved No Effect Le	vel (l	DNEL)	
	eference (Juration of			sumer term			
	oute of ex		inhal				
	lode of act			emic effects			

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Concentration		114		mg/m³
Type of value	Deri	ved No Effect Level ([
Reference group		sumer		
Duration of exposure		rt term		
Route of exposure		lative		
Mode of action	Loca	al effects		
Concentration		950		mg/m³
Type of value	Deri	ved No Effect Level ([ONEL)	
Reference group		sumer	,	
Duration of exposure	Long	g term		
Route of exposure	derr	nal		
Mode of action	Syst	temic effects		
Concentration		206		mg/kg/d
Type of value	Deri	ved No Effect Level ([ONEL)	
Reference group	Con	sumer		
Duration of exposure	Long	g term		
Route of exposure	oral			
Mode of action	Syst	temic effects		
Concentration		87		mg/kg/d
1-Methoxy-2-propanol				
Type of value	Deri	ved No Effect Level ([DNEL)	
Reference group	Wor	ker		
Duration of exposure	Acu			
Route of exposure		lative		
Mode of action	Loca	al effects		4.0
Concentration		553,5		mg/m³
Type of value	Deri	ved No Effect Level (ONEL)	
Reference group	Wor			
Duration of exposure		g term		
Route of exposure	derr			
Mode of action	Syst	temic effects		
Concentration		50,6		mg/person/ d
Type of value	Dari	ved No Effect Lovel (
Type of value Reference group	Wor	ved No Effect Level ([ker	JNEL)	
Duration of exposure		g term		
Route of exposure		lative		
Mode of action		temic effects		
Concentration	- , - ,	369		mg/m³
Type of value	Deri	ved No Effect Level ([ONEL)	
Reference group		eral Population	··· — ,	
Duration of exposure		g term		
Route of exposure	derr			
Mode of action		temic effects		
Concentration		18,1		mg/kg
Type of value	Deri	ved No Effect Level ([ONEL)	
Reference group		eral Population	,	
Duration of exposure		g term		
Route of exposure	inha	1.0.		

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Mode of acti Concentratio		System	ic effects 43,9		mg/m³
Type of valu	Δ	Deriver	l No Effect Level (I		
Reference g			I Population		
Duration of e		Long te			
Route of exp		oral			
Mode of acti		System	ic effects		
Concentratio	n	-	3,3		mg/kg/d
Predicted No	Effect Concentra	ation (P	NEC)		
Ethanol					
Type of valu	e	PNEC			
Туре		Freshw			
Concentratio	on		0,96		mg/l
Type of valu	e	PNEC			
Туре		Saltwat			
Concentratio	n		0,79		mg/l
Type of valu	e	PNEC			
Туре		Water (intermittent release	e)	
Concentratio	on		2,75		mg/l
Type of valu	e	PNEC			
Type Concentratio	n	Sewag	e treatment plant (\$ 580	STP)	mg/l
Type of yelu	0	PNEC			C C
Type of valu	e		ater sediment		
Type Concentratio	on	TICSIIW	3,6		mg/kg
Type of valu	0	PNEC			
Type	C		sediment		
Concentratio	n	Manne	2,9		mg/kg
Type of valu	e	PNEC			
Type		Soil			
Concentratio	n		0,63		mg/kg
1-Methoxy-2-	propanol				
Type of valu		PNEC			
Туре		Freshw			
Concentratio	on		10		mg/l
Type of valu	е	PNEC			
Туре		Water	44.0		
Concentratio	n		41,6		mg/kg
Type of valu	e	PNEC			
Type Concentratio	n	Sedime	ent 41,6		mg/kg
Type of yelu	0	PNEC			
Type of valu	C C				
Type		Marine	sediment		

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Type of valu Type Concentratio	Soi	EC I 2,47		mg/kg	
Type of valu Type Concentratio	Sev	EC wage treatment plant (\$ 100	STP)	mg/l	

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Full mask, filter A

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

Material thickness	>	0,5	mm
B 14 14		00	

Break	through	time	<	30	min

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Body protection

Cotton or cotton/synthetic overalls or coveralls are normally suitable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	yellow
Odour	solvent-like
Odour threshold	
Remarks	No data available
pH value	
Remarks	Not applicable
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined
Initial boiling point and	boiling range

Value appr. 78 °C Flash point Value 12 °C Evaporation rate (ether = 1) : Remarks not determined Flammability (solid, gas) Not applicable Flammability (solid, gas) Not applicable Upper/lower flammability or explosive limits Lower explosion limit appr. 1,5 %(V) Upper/lower flammability or explosive limits User explosion limit appr. 15 Lower explosion limit appr. 59 hPa Vapour density Remarks not determined Value 0,8 g/cm³ Solubility in water Remarks partially miscible Partition coefficient: n-octanol/water Remarks Not applicable Ignition temperature 20 °C Value 400 20 °C Walue 400 20 °C Kethod DIN 53211 4 mm s Explosive properties evaluation no	ade name: Marabu Sketch Marker He ubstance number: 0148000000102-9	-	Version: 3		2 / WORLD	Date revised: 10.02.202 Print date: 10.02.2
Value 12 °C Evaporation rate (ether = 1) : Remarks . . Remarks not determined . Flammability (solid, gas) Not applicable . . Upper/lower flammability or explosive limits . . Lower explosion limit appr. 1,5 %(V) Source . . Vapour pressure . . Value appr. 59 hPa Value . . Pensity . . Value 0.8 g/cm³ Solubility in water . . Remarks partially miscible . Partition coefficient: n-octanol/water . . Remarks Not applicable . . Ignition temperature Value . 12 s . Ignition temperature Value . 12 . <t< th=""><th>Value</th><th>appr.</th><th>78</th><th></th><th>°C</th><th></th></t<>	Value	appr.	78		°C	
Evaporation rate (ether = 1) : not determined Remarks not determined Flammability (solid, gas) Not applicable Upper/lower flammability or explosive limits Lower explosion limit Lower explosion limit appr. 1,5 %(V) Upper explosion limit appr. 15 %(V) Source Literature value %(V) Vapour pressure Value appr. 59 hPa Value appr. 59 hPa Value 0,8 g/cm³ Solubility in water g/cm³ Remarks partially miscible Partition coefficient: n-octanol/water Remarks Remarks Not applicable Ignition temperature appr. 287 °C Source Literature value C Efflux time 20 °C s Value 12 °C s Temperature 20 °C s Method DIN 53211 4 mm S Explosive properties evaluation no evaluation no S	Flash point					
Remarks not determined Flammability (solid, gas) Not applicable Upper/lower flammability or explosive limits Lower explosion limit Lower explosion limit appr. 1,5 %(V) Upper explosion limit appr. 15 %(V) Source Literature value %(V) Vapour pressure Value appr. 59 hPa Vapour density not determined Persity Value 0,8 g/cm³ Value 0,8 g/cm³ Solubility in water Remarks partially miscible Partition coefficient: n-octanol/water Remarks Not applicable Image: Partition coefficient: n-octanol/water Remarks Not applicable Image: Partition coefficient: n-octanol/water °C Value appr. 287 °C Source Source Efflux time Value 12 °C	Value		12		°C	
Flammability (solid, gas) Not applicable Upper/lower flammability or explosive limits Lower explosion limit appr. 1,5 %(V) Upper explosion limit appr. 15 %(V) Source Literature value %(V) Vapour pressure %(V) %(V) Value appr. 59 hPa Vapour density mod determined mod determined Density 0,8 g/cm³ Value 0,8 g/cm³ Solubility in water mod determined mod determined Partition coefficient: n-octanol/water Remarks partially miscible Partition coefficient: n-octanol/water Remarks Not applicable Ignition temperature appr. 287 °C Source Literature value Source Efflux time 20 °C Walue 12 s Temperature 20 °C Method DIN 53211 4 mm s Explosive properties evaluation no evaluation no mod						
Not applicable Upper/lower flammability or explosive limits Lower explosion limit appr. 1,5 %(V) Upper explosion limit appr. 15 %(V) Source Literature value %(V) Vapour pressure Literature value %(V) Value appr. 59 hPa Vapour density Remarks not determined Density Nature g/cm³ Value 0,8 g/cm³ Solubility in water Remarks partially miscible Partition coefficient: n-octanol/water Remarks Not applicable Ignition temperature Value appr. 287 °C Source Literature value Efflux time s Value appr. 287 °C S Source Literature value Efflux time s Value < 12		not de	termined			
Lower explosion limit appr. 1,5 %(V) Upper explosion limit appr. 15 %(V) Source Literature value %(V) Vapour pressure Literature value %(V) Value appr. 59 hPa Vapour density not determined Persity Remarks not determined Density Value 0,8 g/cm³ Solubility in water Remarks g/cm³ Remarks partially miscible Partition coefficient: n-octanol/water Remarks Not applicable Ignition temperature Value appr. 287 °C Source Literature value S Efflux time Value s Value 20 °C Method DIN 53211 4 mm s Explosive properties evaluation no Oxidising properties Not Source Source						
Upper explosion limit Sourceappr. 15 Literature value%(V)Vapour pressure Valueappr. 59hPaVapour density Remarksnot determinedDensity Value0,8g/cm³Solubility in water Remarkso,8g/cm³Solubility in water Remarkspartially misciblePartition coefficient: n-octanol/water RemarksCIgnition temperature Valueappr. 287 Source°CValueappr. 287 Source°CFflux time Value20 O C°CFflux time Value20 	Upper/lower flammability or e	xplosi	ve limits			
Valueappr. 59hPaVapour density Remarksnot determinedDensity0.8g/cm³Value0.8g/cm³Solubility in water Remarkspartially misciblePartition coefficient: n-octanol/water RemarksValueRemarksNot applicableIgnition temperature Valueappr. 287 Literature valueValueappr. 287 Source°CEfflux time Value20 C MethodsExplosive properties evaluationnoExplosive properties evaluationnoOxidising propertiesno	Upper explosion limit	appr.	15			
Vapour density Remarks not determined Density 0,8 g/cm ³ Value 0,8 g/cm ³ Solubility in water partially miscible Remarks partially miscible Partition coefficient: n-octanol/water Remarks Remarks Not applicable Ignition temperature Value Value appr. 287 °C Source Literature value Efflux time 20 °C Value < 12	Vapour pressure					
Remarksnot determinedDensity	Value	appr.	59		hPa	
Density Value0,8g/cm3Solubility in water Remarkspartially misciblePartition coefficient: n-octanol/water RemarksNot applicablePartition temperature ValueNot applicableIgnition temperature Sourceappr. 287 Literature value°CEfflux time Value20 °C MethodsExplosive properties evaluationDIN 53211 4 mmsExplosive properties evaluationnoCOxidising propertiesNoC	Vapour density					
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Remarkspartially misciblePartition coefficient: n-octanol/waterRemarksNot applicableIgnition temperatureNot applicableValueappr. 287°CSourceLiterature valueEfflux timeValue< 12sTemperature20°CMethodDIN 53211 4 mmExplosive propertiesevaluationnoOxidising properties	Value		0,8		g/cm³	
Partition coefficient: n-octanol/water Remarks Not applicable Ignition temperature appr. 287 °C Value appr. 287 °C Source Literature value °C Efflux time 20 °C °C Value < 12 s	-					
RemarksNot applicableIgnition temperatureappr. 287 Literature value°CValue Sourceappr. 287 Literature value°CEfflux time*********************************		•	•			
Ignition temperature appr. 287 °C Value appr. 287 °C Source Literature value Efflux time Value < 12						
Value Sourceappr. 287 Literature value°CEfflux time ValueValue< 12 20 °CsTemperature Method20 DIN 53211 4 mmsExplosive properties evaluationevaluationnoOxidising properties		Not ap	plicable			
Source Literature value Efflux time Literature value Value < 12			0.07		° 0	
Value < 12					Ĵ	
Temperature20°CMethodDIN 53211 4 mmExplosive propertiesevaluationnoOxidising propertiesImage: Constant of the second	Efflux time					
evaluation no Oxidising properties	Temperature		20	°C	S	
evaluation no Oxidising properties	Explosive properties					
		no				
evaluation None known	Oxidising properties evaluation	None	known			
0.2. Other information	.2. Other information					
Other information	Other information					
The physical specifications are approximate values and refer to the used safety relevant component(s	The physical specifications are a	approxii	mate values	and ref	er to the used safety	relevant component(s).

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

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0.5. Incompatible materi No hazardous reactions	when stored		ccording to prescribed i	instructions.
0.6. Hazardous decompo See chapter 5.2 (Firefigh			zards arising from the s	ubstance or mixture).
ECTION 11: Toxicolog	gical info	ormation		
1.1. Information on toxic	ological e	effects		
Acute oral toxicity				
Remarks	Based	on available da	ta, the classification crit	teria are not met.
Acute oral toxicity (Cor	nponents)			
1-Methoxy-2-propanol Species LD50	rat	5200	mg/kg	
Acute dermal toxicity				
Remarks	Based	on available da	ta, the classification cri	teria are not met.
Acute dermal toxicity (Componen	its)		
1-Methoxy-2-propanol				
Species LD50	rabbit	14000	mg/kg	
Acute inhalational toxic Remarks	Based	on available da	ta, the classification cri	teria are not met.
Skin corrosion/irritation Remarks		on available da	ta, the classification cri	toria ara nat mat
Serious eye damage/irr				tena are not met.
evaluation	irritant			
Remarks		assification crite	ria are met.	
Sensitization				
Remarks	Based	on available da	ta, the classification cri	teria are not met.
Mutagenicity				
Remarks	Based	on available da	ta, the classification crit	teria are not met.
Reproductive toxicity				
Remarks	Based	on available da	ta, the classification crit	teria are not met.
Carcinogenicity	_			
Remarks			ta, the classification cri	teria are not met.
Specific Target Organ 1	Coxicity (S	тот)		
Single exposure Remarks	Based	on available da	ta, the classification cri	teria are not met.
Repeated exposure Remarks	Based	on available da	ta, the classification cri	teria are not met.
Aspiration hazard Based on available data	, the classific	cation criteria ar	e not met.	
Experience in practice				
Exposure to component	se health eff	ects such as mu		ated occupational exposure espiratory system irritation

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Solvents may cause some of contact with the mixture man dermatitis and absorption the reversible damage. Ingestice known, delayed and immed long-term exposure by oral,	ly cause re nrough the on may cau liate effect	emoval of skin. The use nause s and also	natural fat f liquid splas a, diarrhoea chronic eff	rom the skin resul shed in the eyes n a and vomiting. Th fects of componen	Iting in non-allergic contact nay cause irritation and his takes into account, where hts from short-term and
Other information					
There are no data available The mixture has been asse 1272/2008 and classified fo	ssed follov or toxicolog	wing the a gical hazaı	dditivity me		egulation (EC) No
ECTION 12: Ecological	inform	<u>ation</u>			
12.1. Toxicity					
General information					
There are no data available mixture has been assessed and is not classified as dan	following	the summ	ation metho		
Fish toxicity (Components	5)				
1-Methoxy-2-propanol					
Species	golden	orfe (Leuc	siscus idus)		
LC0	>	4600		mg/l	
Duration of exposure		96			
•		30	h		
Daphnia toxicity (Compon	ents)	30	h		
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50		a magna 23300	h	mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure	Daphni	a magna	h h	mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50	Daphni	a magna 23300		mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species	Daphnia ts) Desmo	a magna 23300 48 desmus		-	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50	Daphnia ts)	a magna 23300 48		mg/l mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure	Daphnia ts) Desmo >	a magna 23300 48 desmus 1000	h	-	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Component)	Daphnia ts) Desmo >	a magna 23300 48 desmus 1000	h	-	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure	Daphnia ts) Desmo >	a magna 23300 48 desmus 1000	h	-	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Compon 1-Methoxy-2-propanol Species EC50	Daphnia ts) Desmo > nents) activate >	a magna 23300 48 desmus 1000 168	h	mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Compon 1-Methoxy-2-propanol Species	Daphnia ts) Desmo > nents) activate >	a magna 23300 48 desmus 1000 168	h	mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Compon 1-Methoxy-2-propanol Species EC50 1-Methoxy-2-propanol Species EC50	Daphnia ts) Desmo > nents) activate >	a magna 23300 48 desmus 1000 168	h	mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Compon 1-Methoxy-2-propanol Species EC50 1-Methoxy-2-propanol Species EC50 12.2. Persistence and degrat General information No data available	Daphnia ts) Desmo > nents) activate > dability	a magna 23300 48 desmus 1000 168	h	mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Compon 1-Methoxy-2-propanol Species EC50 12.2. Persistence and degra General information No data available Biodegradability (Compon 1-Methoxy-2-propanol	Daphnia ts) Desmo > nents) activate > dability	a magna 23300 48 desmus 1000 168 ed sludge 1000	h	mg/l mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Compon 1-Methoxy-2-propanol Species EC50 12.2. Persistence and degra General information No data available Biodegradability (Compon 1-Methoxy-2-propanol Value	Daphnia ts) Desmo > nents) activate > dability	a magna 23300 48 desmus 1000 168 ed sludge 1000	h	mg/l	
Daphnia toxicity (Compon 1-Methoxy-2-propanol Species EC50 Duration of exposure Algae toxicity (Componen 1-Methoxy-2-propanol Species EC50 Duration of exposure Bacteria toxicity (Compon 1-Methoxy-2-propanol Species EC50 12.2. Persistence and degra General information No data available Biodegradability (Compon 1-Methoxy-2-propanol	Daphnia ts) Desmo > nents) activate > dability	a magna 23300 48 desmus 1000 168 ed sludge 1000 90 28 biodegrad	h h	mg/l mg/l	iteria)

	ou Sketch Marker Heat 6	lg. 919	Marab
		Version: 3 /	Date revised: 10.02.2023
ubstance number:	0148000000102-919	Replaces Version: 2 / WORLD	Print date: 10.02.23
Partition coe	efficient: n-octanol/wa	ater	
Remarks	No	t applicable	
2.4. Mobility in	soil		
General info	rmation		
There are n	o data available on the n	nixture itself.	
2.5. Results of	PBT and vPvB ass	essment	
General info	rmation		
There are n	o data available on the n	nixture itself.	
2.6. Other advo	erse effects		
General info			
		nixture itself.	
There are n	rmation to data available on the n		
There are n	rmation		
There are n	rmation to data available on the n		
There are n ECTION 13: I 3.1. Waste trea Disposal rec	rmation to data available on the n Disposal conside atment methods commendations for th	erations e product	
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allov	rmation to data available on the n Disposal conside atment methods commendations for the w to enter drains or water	e product courses.	vant national regulation
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and	rmation to data available on the n Disposal conside atment methods commendations for the w to enter drains or water d emptied containers sho	erations e product r courses. uld be classified in accordance with relev	
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and The Europe EWC waste	rmation to data available on the n Disposal conside atment methods commendations for the w to enter drains or water d emptied containers sho ean Waste Catalogue class e code 08 03	e product courses. uld be classified in accordance with releasification of this product, when disposed 12* waste ink containing dangerous	d of as waste is substances
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and The Europe EWC waste If this produ	rmation to data available on the n Disposal conside atment methods commendations for the w to enter drains or water d emptied containers sho can Waste Catalogue class a code 08 03 uct is mixed with other wa	e product r courses. uld be classified in accordance with releasification of this product, when disposed 12* waste ink containing dangerous stes, the original waste product code ma	d of as waste is substances
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and The Europe EWC waste If this produ appropriate	rmation to data available on the n Disposal consider atment methods commendations for the w to enter drains or water d emptied containers sho can Waste Catalogue class a code 08 03 uct is mixed with other wa code should be assigned	erations e product r courses. uld be classified in accordance with releasification of this product, when disposed 12* waste ink containing dangerous stes, the original waste product code made	d of as waste is substances
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and The Europe EWC waste If this produ appropriate For further i	rmation to data available on the n Disposal consider atment methods commendations for the w to enter drains or water d emptied containers sho ean Waste Catalogue class a code 08 03 act is mixed with other wa code should be assigned information contact your	e product r courses. uld be classified in accordance with releasification of this product, when disposed 12* waste ink containing dangerous stes, the original waste product code match d. local waste authority.	d of as waste is substances
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There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and The Europe EWC waste If this produ appropriate For further i Disposal rec Using inforr authority on	rmation to data available on the n Disposal consider atment methods commendations for the w to enter drains or water d emptied containers sho can Waste Catalogue class a code 08 03 act is mixed with other wa code should be assigned information contact your commendations for par mation provided in this sain the classification of emp	e product courses. uld be classified in accordance with releasification of this product, when disposed 12* waste ink containing dangerous istes, the original waste product code made. local waste authority. ackaging fety data sheet, advice should be obtain by containers.	d of as waste is substances ay no longer apply and the
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and The Europe EWC waste If this produ appropriate For further i Disposal rec Using inforr authority on Empty cont	rmation to data available on the n Disposal consider atment methods commendations for the w to enter drains or water d emptied containers sho can Waste Catalogue class a code 08 03 act is mixed with other wa code should be assigned information contact your commendations for par mation provided in this sain the classification of emp ainers must be scrapped	e product courses. uld be classified in accordance with releasification of this product, when disposed 12* waste ink containing dangerous istes, the original waste product code made. local waste authority. ackaging fety data sheet, advice should be obtain by containers. or reconditioned.	d of as waste is substances ay no longer apply and the ned from the relevant waste
There are n ECTION 13: I 3.1. Waste trea Disposal rec Do not allow Wastes and The Europe EWC waste If this produ appropriate For further i Disposal rec Using inforr authority on Empty cont	rmation to data available on the n Disposal consider atment methods commendations for the w to enter drains or water d emptied containers sho can Waste Catalogue class a code 08 03 act is mixed with other wa code should be assigned information contact your commendations for par mation provided in this sain the classification of emp ainers must be scrapped	e product courses. uld be classified in accordance with releasification of this product, when disposed 12* waste ink containing dangerous istes, the original waste product code made. local waste authority. ackaging fety data sheet, advice should be obtain by containers.	d of as waste is substances ay no longer apply and the ned from the relevant waste

Safety data sheet in accordance with regulation (EC) No 1907/2006 Trade name: Marabu Sketch Marker Heat 6tlg. 919 Version: 3/ Substance number: 0148000000102-919 Replaces Version: 2 / WORLD Land transport ADR/RID Marine transport Air transport IMDG/GGVSee ICAO/IATA Tunnel restriction code D/E

14.1. UN number	1263	1263	1263
14.2. UN proper shipping name	PAINT	PAINT	PAINT
14.3. Transport hazard class(es)	3	3	3
Label	*		
14.4. Packing group	П	II	II
Special provision	640D		
Limited Quantity	51		
Transport category	3		
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

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

Highly flammable liquid and vapour.
Flammable liquid and vapour.
Causes serious eye irritation.



Date revised: 10.02.2023 Print date: 10.02.23

Trade name:	Marabu Sketch Marker Heat 6tlg.	919
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Date revised: 10.02.2023 Print date: 10.02.23

Substance number: 0148000000102-919

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Replaces Version: 2 / WORLD

H336 R categories listed

May cause drowsiness or dizziness.

CLP categories listed in Chapter 3

Eye Irrit. 2Eye irritation, Category 2Flam. Liq. 2Flammable liquid, Category 2Flam. Liq. 3Flammable liquid, Category 3STOT SE 3Specific target organ toxicity - single exposure, Category 3

Supplemental information

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

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

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.