<u>₩6</u> ₽	≥£af#t\$932atEPBNe€5	00 TXTL MRKR		64973-1029 64973-2020	Page 1
Trade	e name: Textile marker	ink (black) contai	ned in: edding 4500, eddir	וg 4600	
Curren	nt version : 3.0.0, issued: 11.02.20)21	Replaced version: 2.0.0, issued: 7	10.11.2019	Region: GB
SEC	TION 1: Identification	of the substance	e/mixture and of the com	pany/undertaking	
1.1	Product identifier Trade name				
	Textile marker ink	(black) conta	ined in: edding 4500,	edding 4600	
1.2	Relevant identified use Relevant identified uses Ink for use in felt pens		e or mixture and uses advi [,] mixture	sed against	
	Uses advised against No data available.				
1.3	Information provided by +49 (0)4102 - 808-0	1 0) 41 02 / 80 8-0 / telephone	sheet		
	Advice on Safety Data Sl sdb_info@umco.de	neet			
1.4	Emergency telephone a For medical advice (in Ger +49 (0)30 30686 790 (Gifta	man and English):			
SEC	TION 2: Hazards ident	ification			
2.1	(EC) n° 1272/2008: Physical hazards: determir Annex I to CLP Health hazards and enviro based on the methods or s	n Ind classified using the ned through assessm Inmental hazards: def atandards referred to	re ne methods and criteria below re nent data based on the methods rermined through toxicological a in Part 3, 4 and 5 of Annex I to iteria given in the Regulation (E	or standards referred to nd ecotoxicological asses CLP.	in part 2 of
2.2	Label elements	Regulation (FC)	No 1272/2008 (CLP Regulat	tion)	
	Hazard pictograms			<u></u>	
	- Signal word				
	- Hazard statement(s)				
	- Hazard statements (EU) EUH208	isothiazolin-3-one [sothiazol-3(2H)-one, reaction m EC no. 247-500-7] and 2-methy roduce an allergic reaction.		
	Precautionary statement	(s)			
	Labelling information				
			Dave 1 of 0		

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Region: GB

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The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization Mixture (preparation)

	No	Substance name		Additional information		
		CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conce	entration	%
		REACH no				
	1	pyridine-2-thiol 1-c	oxide, sodium salt			
_		3811-73-2	Acute Tox. 4; H302	<	0.10	wt%
		223-296-5	Acute Tox. 3; H311			
		-	Acute Tox. 4; H332			
		-	Aquatic Acute 1; H400			
			Eye Irrit. 2; H319			
			Skin Irrit. 2; H315			
			Aquatic Chronic 1; H410			
	2	1,2-benzisothiazol-	-3(2H)-one			
_		2634-33-5	Acute Tox. 4; H302	<	0.05	wt%
		220-120-9	Aquatic Acute 1; H400			
		613-088-00-6	Eye Dam. 1; H318			
		01-2120761540-60	Skin Irrit. 2; H315			
			Skin Sens. 1; H317			
	3		5-chloro-2-methyl-4-isothiazolin-3-one [EC no.			
		247-500-7] and 2-m	ethyl-2H -isothiazol-3-one [EC no. 220-239-6]			
		(3:1)				
		55965-84-9	Acute Tox. 2; H310	<	0.0015	wt%
		-	Acute Tox. 2; H330			
		613-167-00-5	Acute Tox. 3; H301			
		-	Aquatic Acute 1; H400			
			Aquatic Chronic 1; H410			
		EUH071				
			Eye Dam. 1; H318			
			Skin Corr. 1C; H314			
			Skin Sens. 1A; H317			

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 100	-
2	-	Skin Sens. 1; H317: C >= 0.05%	M = 10	-
3	В	Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6% Eye Dam. 1; H318: C >= 0.6%	M = 100	M = 100

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

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General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse out mouth and give plenty of water to drink. Call a doctor immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide; Extinguishing powder; Foam; Water spray jet Unsuitable extinguishing media High power 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)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

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Current version : 3.0.0, issued: 11.02.2021

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Region: GB

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form/Colour			
liquid			
black			
Odour			
characteristic			
pH value			
Value	8.	2	



Trade name: Textile marker ink (black) contained in: edding 4500, edding 4600

Reference temperature		20	°C	
Boiling point / boiling range Value		82	°C	
Melting point/freezing point		62	0	
No data available				
Decomposition temperature				
No data available				
Flash point Value		146	°C	
		140	5	
Ignition temperature Value		400	°C	
		400	0	
Auto-ignition temperature Comments	Product is not s	elfianitina		
Flammability No data available				
Lower explosion limit				
Value		0.7	% vol	
Upper explosion limit				
Value		22	% vol	
Vapour pressure				
Value		23	hPa	
Reference temperature		20	°C	
Relative vapour density No data available				
Relative density				
No data available				
Density				
No data available				
Solubility in water				
Comments	Completely mis	cible		
Solubility				
No data available				
Partition coefficient n-octanol/water No data available	· (log value)			
Viscosity				
Value		5	mPa*s	
Reference temperature		20	°C	
Solids content				
Value		0.3	%	
Particle characteristics No data available				
Other information				
Other information				
No data available.				

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10.1 Reactivity

No data available.

10.2 Chemical stability Stable under recommended storage and handling conditions (See section 7).

- **10.3 Possibility of hazardous reactions** No data available.
- **10.4 Conditions to avoid** No data available.
- **10.5** Incompatible materials No data available.

10.6 Hazardous decomposition products None, if handled according to intended use.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity	
No data available	
Acute dermal toxicity	
No data available	
Acute inhalational toxicity	
No data available	
Skin corrosion/irritation	
No data available	
Serious eye damage/irritation	
No data available	
Respiratory or skin sensitisation	
No data available	
Germ cell mutagenicity	
No data available	
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
STOT - single exposure	
No data available	
STOT - repeated exposure	
No data available	
Aspiration hazard	
No data available	
2 Information on other hazards	

11.2 Information on other hazards

Endocrine disrupting properties No data available. Other information No data available.

SECTION 12: Ecological information

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12.1 Toxicity

Toxicity to fish (acute)	
No data available	
Toxicity to fish (chronic)	
No data available	
Toxicity to Daphnia (acute)	
No data available	
Toxicity to Daphnia (chronic)	
No data available	
Toxicity to algae (acute)	
No data available	
Toxicity to algae (chronic)	
No data available	
Bacteria toxicity	
No data available	

- **12.2 Persistence and degradability** No data available.
- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.
- **12.5 Results of PBT and vPvB assessment** No data available.
- **12.6 Endocrine disrupting properties** No data available.
- 12.7 Other adverse effects
 - No data available.
- 12.8 Other information Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

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The product is not subject to ICAO-TI / IATA regulations.

- **14.4 Other information** No data available.
- **14.5** Environmental hazards Information on environmental hazards, if relevant, please see 14.1 - 14.3.
- **14.6 Special precautions for user** No data available.
- 14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.

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H332 H400	Harmful if inhaled. Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Notes relating to the iden 1272/2008, Annex VI)	ntification, classification and labelling of substances and mixtures ((EC) No
В	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
Creation of the safety dat UMCO GmbH Georg-Wilhelm-Str. 187, D- Tel.: +49 40 / 555 546 300	
The safety data sheet desc	on our present knowledge and experience. cribes products with a view to safety requirements. itute a guarantee for any specific product properties and shall not establish a legally valid

ute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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₽ 160	Starter Bine to TXTL MRKR		64973-3150 Borg 10 0 		
Trade	a name: Textile marker ink (carmine) conta	ained in: edding 4500, eddi	ng 4600		
Curren	t version : 5.0.0, issued: 11.05.2021	Replaced version: 4.0.0, issued: 05.0	05.2021	Region: GB	
SEC	TION 1: Identification of the substance/	mixture and of the compa	anv/undertaking		
1.1	Product identifier				
	Trade name				
	Textile marker ink (carmine) cont	tained in: edding 4500	, edding 4600		
1.2	Relevant identified uses of the substance Relevant identified uses of the substance or r Ink for use in felt pens	or mixture and uses advise	_		
	Uses advised against No data available.				
1.3	Details of the supplier of the safety data s	heet			
	Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg				
	Telephone no. +49 (0) 41 02 / 80 8-0 Information provided by / telephone +49 (0)4102 - 808-0				
	Advice on Safety Data Sheet sdb_info@umco.de				
1.4	Emergency telephone number For medical advice (in German and English): +49 (0)30 30686 790 (Giftnotruf Berlin)				
SEC	TION 2: Hazards identification				
2.1	Classification of the substance or mixture				
	Classification information This product does not meet the classification and	labelling criteria given in the Rec	nulation (EC) No 1272/	2008 (CLP)	
2.2	Label elements	abeling one na given in the reg		2000 (OLI).	
	Not relevant				
	Labelling information The data subject of this Material Safety Data she	et refer to the ink contained in th	is product (marker).		
2.3	Other hazards No data available.				
SEC	TION 3: Composition/information on ing	gredients			
3.1	Substances Not applicable. The product is not a substance.				
3.2	Mixtures				
	Chemical characterization Mixture (preparation)				
	Hazardous ingredients				
N	Substance name CAS / EC / Index / REACH no		onal information ntration	%	
1	pyridine-2-thiol 1-oxide, sodium salt3811-73-2Acute Tox. 4; H302	<	0.10	wt%	
	///////////////////////////////////////	•	0.10		

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Γ		223-296-5	Acute Tox. 3; H311			
		-	Acute Tox. 4; H332			
		-	Aquatic Acute 1; H400			
			Eye Irrit. 2; H319			
			Skin Irrit. 2; H315			
			Aquatic Chronic 2; H411			
			Skin Sens. 1; H317			
			STOT RE 1; H372i			
	2	propane-1,2-diol				
Γ		57-55-6	-	<	5.00	wt%
		200-338-0				
		-				
		-				

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 100	-
	•			
No	Route, target org	an, concrete effect		
1	H372			
	inhalational centra	al nervous system: -		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse the mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings.

Unsuitable extinguishing media High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

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Region: GB

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections No data available.

No data avallable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Do not store together with: Alkalis; Acids

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	propane-1,2-diol	57-55-6		200-338-0	
	List of approved workplace exposure limits (WELs) /	'EH40			
	Propane-1,2-diol				
	vapour & particulates				
	WEL long-term (8-hr TWA reference period)	474	mg/m³	150	ppm
	List of approved workplace exposure limits (WELs) /	'EH40			
	Propane-1,2-diol particulates				
	WEL long-term (8-hr TWA reference period)	10	mg/m³		





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Region: GB

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form/Colour	
liquid	
carmine red	
Odour	
characteristic	
pH value	
Value 6.5 - 8.5	5
Boiling point / boiling range	
Value 100	0 °C
Melting point/freezing point	
Value 0	°C
Decomposition temperature	
No data available	
Flash point	
No data available	
Ignition temperature No data available	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	

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Region: GB

	ipour pressure			
No	o data available			
Re	alative vapour density			
	o data available			
R	elative density			
	o data available			
	ensity			
	o data available			
	blubility in water	1		
Co	omments	soluble		
Sc	blubility			
No	o data available			
Pa	artition coefficient n-octanol/water (log valu	le)		
	o data available			
Vi	scosity			
	lue	<	10	mPa*s
	eference temperature		25	°C
	pe	dynamic		
Da	article characteristics			
	o data available			
9.2	Other information			
	ther information			
NC	o data available.			
SEC	TION 10: Stability and reactivity			
0L0	Tion To. Stability and reactivity			
10.1	Reactivity			
	No data available.			
10.2	Chemical stability			
	Stable under recommended storage and ha	ndling conditions (S	See section	on 7).
10.2	Possibility of hazardous reactions			
10.5	No data available.			
10.4	Conditions to avoid			
	Keep from freezing. Temperatures > 50°C.			
10.5	Incompatible materials			
	Alkalis; Acids			
10.6	Hazardous decomposition products			
10.0	None, if handled according to intended use.			
	······			
SEC	TION 11: Toxicological information			
		in a d in Damulatio		No. 4070/0000
	Information on hazard classes as defi	neu în Regulatio		NO 12/2/2008
	cute oral toxicity			
No	o data available			
	cute dermal toxicity			
No	o data available			

Acute inhalational toxicity

No data available

Trade name: Textile marker ink (carmine) contained in: edding 4500, edding 4600

Current version : 5.0.0, issued: 11.05.2021

Replaced version: 4.0.0, issued: 05.05.2021

Region: GB

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Skin corrosion/irritation	
No data available	
Serious eye damage/irritation	
No data available	
Respiratory or skin sensitisation	
No data available	
Germ cell mutagenicity	
No data available	
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
STOT - single exposure	
No data available	
STOT - repeated exposure	
No data available	
Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

oxicity to fish (acute)
lo data available
oxicity to fish (chronic)
lo data available
oxicity to Daphnia (acute)
lo data available
oxicity to Daphnia (chronic)
lo data available
oxicity to algae (acute)
lo data available
oxicity to algae (chronic)
lo data available
acteria toxicity
lo data available

12.2 Persistence and degradability No data available.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil

No data available.

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Trade name: Textile marker ink (carmine) contained in: edding 4500, edding 4600

Current version : 5.0.0, issued: 11.05.2021

Replaced version: 4.0.0, issued: 05.05.2021

Region: GB

- **12.5 Results of PBT and vPvB assessment** No data available.
- **12.6 Endocrine disrupting properties** No data available.
- 12.7 Other adverse effects
 - No data available.
- 12.8 Other information Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information No data available.

- **14.5** Environmental hazards Information on environmental hazards, if relevant, please see 14.1 - 14.3.
- 14.6 Special precautions for user No data available.
- 14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU regulations</u>

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

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Trade name: Textile marker ink (carmine) contained in: edding 4500, edding 4600

Current version : 5.0.0, issued: 11.05.2021

Replaced version: 4.0.0, issued: 05.05.2021

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Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H372i	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

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<u></u> ∰6C	Stafety Bater BNee	00 TXTL MRKR		eddi			
				eadi			
Trad	e name: Textile marker	ink (orange) contained in	: edding 4500, edding 4	4600			
Currer	t version : 3.0.0, issued: 11.02.20	21 Replace	d version: 2.0.0, issued: 10.11.20	019	Region: GB		
SEC	TION 1: Identification	of the substance/mixtu	re and of the company	y/undertaking			
1.1	Product identifier						
	Trade name						
		(orange) contained	-	-			
1.2		s of the substance or mix		against			
	Ink for use in felt pens	of the substance or mixture					
	Uses advised against No data available.						
1.3	Details of the supplier	of the safety data sheet					
	Address edding International GmbH						
	Bookkoppel 7 D-22926 Ahrensburg						
	5	0) 41 02 / 80 8-0					
	Information provided by +49 (0)4102 - 808-0	' telephone					
	Advice on Safety Data SI sdb_info@umco.de	leet					
1.4	Emergency telephone i For medical advice (in Ger +49 (0)30 30686 790 (Gifti	man and English):					
SEC.	., .	,					
2.1	TION 2: Hazards ident Classification of the su						
2.1	Classification informatio						
	This product is assessed a (EC) n° 1272/2008:	nd classified using the method	ds and criteria below referred	to in Article 9 of Re	gulation		
	Physical hazards: determir	ed through assessment data	based on the methods or sta	andards referred to in	n part 2 of		
		nmental hazards: determined		otoxicological assess	sment data		
		tandards referred to in Part 3, t the classification criteria give		1272/2008 (CLP).			
2.2	Label elements						
	Labelling according to	Regulation (EC) No 1272	/2008 (CLP Regulation)				
	Hazard pictograms						
	- Signal word						
	- Hazard statement(s)						
	- Hazard statements (EU)						
	EUH208		3(2H)-one, reaction mass of: 17-500-7] and 2-methyl-2H -is n allergic reaction.				
•	Precautionary statement		3				
	Labelling information						
		Page	1 of 9				

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Trade name: Textile marker ink (orange) contained in: edding 4500, edding 4600

Current version : 3.0.0, issued: 11.02.2021

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

Replaced version: 2.0.0, issued: 10.11.2019

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization Mixture (preparation)

Hazardous ingredients

	Additional information	Substance name			
%	Concentration	Classification (EC) 1272/2008 (CLP)	CAS / EC / Index / REACH no		
		oxide, sodium salt	pyridine-2-thiol 1-o	1	
wt%	< 0.10	Acute Tox. 4; H302	3811-73-2		
		Acute Tox. 3; H311	223-296-5		
		Acute Tox. 4; H332	-		
		Aquatic Acute 1; H400	-		
		Eye Irrit. 2; H319			
		Skin Irrit. 2; H315			
		Aquatic Chronic 1; H410			
		-3(2H)-one	1,2-benzisothiazol-3(2H)-one		
wt%	< 0.05	Acute Tox. 4; H302	2634-33-5		
		Aquatic Acute 1; H400	220-120-9		
		Eye Dam. 1; H318	613-088-00-6		
		Skin Irrit. 2; H315	01-2120761540-60		
		Skin Sens. 1; H317			
		5-chloro-2-methyl-4-isothiazolin-3-one [EC no. nethyl-2H -isothiazol-3-one [EC no. 220-239-6]		3	
wt%	< 0.0015	Acute Tox. 2; H310	55965-84-9		
		Acute Tox. 2; H330	-		
		Acute Tox. 3; H301	613-167-00-5		
		Aquatic Acute 1; H400	-		
		Aquatic Chronic 1; H410			
		EUH071			
		Eye Dam. 1; H318			
		Skin Corr. 1C; H314			
		Skin Sens. 1A; H317			
		Aquatic Chronic 1; H410 EUH071 Eye Dam. 1; H318 Skin Corr. 1C; H314	-		

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 100	-
2	-	Skin Sens. 1; H317: C >= 0.05%	M = 10	-
3	В	Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6% Eye Dam. 1; H318: C >= 0.6%	M = 100	M = 100

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

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Current version : 3.0.0, issued: 11.02.2021

Replaced version: 2.0.0, issued: 10.11.2019

Region: GB

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse out mouth and give plenty of water to drink. Call a doctor immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide; Extinguishing powder; Foam; Water spray jet Unsuitable extinguishing media High power 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)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

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Trade name: Textile marker ink (orange) contained in: edding 4500, edding 4600

Current version : 3.0.0, issued: 11.02.2021

Replaced version: 2.0.0, issued: 10.11.2019

Region: GB

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation		
liquid		
Form/Colour		
liquid		
orange		
Odour		
characteristic		
pH value		
Value	8.2	

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Trade name: Textile marker ink (orange) contained in: edding 4500, edding 4600

ent version : 3.0.0, issued: 11.02.2021	Replaced versio	n. 2.0.0), issued: 10.11.2019	Regio
Reference temperature		20	°C	
Boiling point / boiling range Value		82	°C	
Melting point/freezing point		02	0	
No data available				
Decomposition temperature No data available				
Flash point				
Value		146	°C	
Ignition temperature Value		400	°C	
		400	0	
Auto-ignition temperature Comments	Product is not selfi	gniting		
Flammability				
No data available				
Lower explosion limit		0.7	9/ vol	
Value		0.7	% vol	
Upper explosion limit Value		22	% vol	
Vapour pressure				
Value		23	hPa	
Reference temperature		20	°C	
Relative vapour density No data available				
Relative density				
No data available				
Density				
No data available				
Solubility in water Comments	Completely miscibl	э		
Solubility				
No data available				
Partition coefficient n-octanol/water (Ic No data available	og value)			
Viscosity				
Value		5	mPa*s	
Reference temperature		20	°C	
Solids content Value		0.3	%	
Particle characteristics		5.0	,,	
No data available				
Other information				
Other information				
No data available.				

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Trade name: Textile marker ink (orange) contained in: edding 4500, edding 4600

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B

10.1 Reactivity No data available.

10.2 Chemical stability

- Stable under recommended storage and handling conditions (See section 7).
- **10.3 Possibility of hazardous reactions** No data available.
- **10.4 Conditions to avoid** No data available.
- **10.5** Incompatible materials No data available.

10.6 Hazardous decomposition products None, if handled according to intended use.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity	
No data available	
Acute dermal toxicity	
No data available	
Acute inhalational toxicity	
No data available	
Skin corrosion/irritation	
No data available	
Serious eye damage/irritation	
No data available	
Respiratory or skin sensitisation	
No data available	
Germ cell mutagenicity	
No data available	
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
STOT - single exposure	
No data available	
STOT - repeated exposure	
No data available	
Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties No data available. Other information No data available.

SECTION 12: Ecological information

Trade name: Textile marker ink (orange) contained in: edding 4500, edding 4600

Current version : 3.0.0, issued: 11.02.2021

Replaced version: 2.0.0, issued: 10.11.2019

Region: GB

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12.1 Toxicity

Toxicity to fish (acute)	
No data available	
Toxicity to fish (chronic)	
No data available	
Toxicity to Daphnia (acute)	
No data available	
Toxicity to Daphnia (chronic)	
No data available	
Toxicity to algae (acute)	
No data available	
Toxicity to algae (chronic)	
No data available	
Bacteria toxicity	
No data available	

- **12.2 Persistence and degradability** No data available.
- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.
- **12.5 Results of PBT and vPvB assessment** No data available.
- **12.6 Endocrine disrupting properties** No data available.
- 12.7 Other adverse effects

No data available.

12.8 Other information Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

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Trade name: Textile marker ink (orange) contained in: edding 4500, edding 4600

Current version : 3.0.0, issued: 11.02.2021

Replaced version: 2.0.0, issued: 10.11.2019

Region: GB

The product is not subject to ICAO-TI / IATA regulations.

- **14.4 Other information** No data available.
- **14.5** Environmental hazards Information on environmental hazards, if relevant, please see 14.1 - 14.3.
- **14.6** Special precautions for user No data available.
- 14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.

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Trade name: Textile marker ink (orange) contained in: edding 4500, edding 4600

Current version : 3.0.0, issued: 11.02.20	021 Replaced version: 2.0.0, issued: 10.11.2019 Region: GB
H332 H400	Harmful if inhaled. Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Notes relating to the ider 1272/2008, Annex VI)	ntification, classification and labelling of substances and mixtures ((EC) No
В	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
Creation of the safety da UMCO GmbH Georg-Wilhelm-Str. 187, D Tel.: +49 40 / 555 546 300	
The safety data sheet deso	on our present knowledge and experience. cribes products with a view to safety requirements. itute a guarantee for any specific product properties and shall not establish a legally valid

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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Trade name: Textile marker ink (pink) contained in: edding 4500, edding 4600

Current version : 4.0.0, issued: 11.02.2021

Replaced version: 3.0.0, issued: 10.11.2019

Region: GB

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

Textile marker ink (pink) contained in: edding 4500, edding 4600

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture Ink for use in felt pens

Uses advised against No data available.

1.3 Details of the supplier of the safety data sheet

Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg Telephone no. +49 (0) 41 02 / 80 8-0

Information provided by / telephone

+49 (0)4102 - 808-0

Advice on Safety Data Sheet sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English): +49 (0)30 30686 790 (Giftnotruf Berlin)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP. This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

Signal word

Hazard statement(s)

Hazard statements (EU) EUH208

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Precautionary statement(s)

Labelling information

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Trade name: Textile marker ink (pink) contained in: edding 4500, edding 4600

Current version : 4.0.0, issued: 11.02.2021

Replaced version: 3.0.0, issued: 10.11.2019

Region: GB

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The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization Mixture (preparation)

Hazardous ingredients

No	Substance name		Additional information		
		Classification (EC) 1272/2008 (CLP)	Concentration	%	
1		xide. sodium salt			
			< 0.10	wt%	
	-				
		Skin Irrit. 2: H315			
		Aquatic Chronic 1: H410			
2	1,2-benzisothiazol-				
	2634-33-5	Acute Tox. 4; H302	< 0.05	wt%	
	220-120-9	Aquatic Acute 1; H400			
	613-088-00-6	Eye Dam. 1; H318			
	01-2120761540-60	Skin Irrit. 2; H315			
		Skin Sens. 1; H317			
3	reaction mass of: 5	5-chloro-2-methyl-4-isothiazolin-3-one [EC no.			
	247-500-7] and 2-m	ethyl-2H -isothiazol-3-one [EC no. 220-239-6]			
	(3:1)				
	55965-84-9	Acute Tox. 2; H310	< 0.0015	wt%	
	-	Acute Tox. 2; H330			
	613-167-00-5	Acute Tox. 3; H301			
	-	Aquatic Acute 1; H400			
		Aquatic Chronic 1; H410			
		EUH071			
		Eye Dam. 1; H318			
		Skin Corr. 1C; H314			
		Skin Sens. 1A; H317			
	3	REACH no 1 pyridine-2-thiol 1-c 3811-73-2 223-296-5 - - 2 1,2-benzisothiazol- 2634-33-5 220-120-9 613-088-00-6 01-2120761540-60 3 reaction mass of: 9 247-500-7] and 2-m - 613-167-00-5 -	1 pyridine-2-thiol 1-oxide, sodium salt 3811-73-2 Acute Tox. 4; H302 223-296-5 Acute Tox. 3; H311 - Acute Tox. 4; H332 - Acute Tox. 4; H332 - Acute Tox. 4; H332 - Aquatic Acute 1; H400 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Aquatic Chronic 1; H410 Aquatic Chronic 1; H410 2 1,2-benzisothiazol-3(2H)-one 2634-33-5 Acute Tox. 4; H302 220-120-9 Aquatic Acute 1; H400 613-088-00-6 Eye Dam. 1; H318 01-2120761540-60 Skin Irrit. 2; H315 Skin Sens. 1; H317 Skin Sens. 1; H317 3 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) 55965-84-9 - Acute Tox. 2; H310 - Acute Tox. 2; H330 613-167-00-5 Acute Tox. 3; H301 - Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 Eye Dam. 1; H318 Skin Corr. 1C; H314 <td>REACH no Acute Tox. 4; H302 3811-73-2 Acute Tox. 3; H311 - Acute Tox. 3; H311 - Acute Tox. 4; H332 - Acute Tox. 4; H302 - Aquatic Acute 1; H400 Eye Irrit. 2; H315 Aquatic Chronic 1; H410 2 1.2-benzisothiazol-3(2H)-one 2 2634-33-5 Acute Tox. 4; H302 220-120-9 Aquatic Acute 1; H400 0.05 220-120-9 Aquatic Acute 1; H400 0.05 613-088-00-6 Eye Dam. 1; H318 0.05 310 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] 331) reaction mass of: 5-chloro.2; H330 0.0015 - Acute Tox. 2; H330 0.</td>	REACH no Acute Tox. 4; H302 3811-73-2 Acute Tox. 3; H311 - Acute Tox. 3; H311 - Acute Tox. 4; H332 - Acute Tox. 4; H302 - Aquatic Acute 1; H400 Eye Irrit. 2; H315 Aquatic Chronic 1; H410 2 1.2-benzisothiazol-3(2H)-one 2 2634-33-5 Acute Tox. 4; H302 220-120-9 Aquatic Acute 1; H400 0.05 220-120-9 Aquatic Acute 1; H400 0.05 613-088-00-6 Eye Dam. 1; H318 0.05 310 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] 331) reaction mass of: 5-chloro.2; H330 0.0015 - Acute Tox. 2; H330 0.	

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 100	-
2	-	Skin Sens. 1; H317: C >= 0.05%	M = 10	-
3	В	Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6% Eye Dam. 1; H318: C >= 0.6%	M = 100	M = 100

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

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General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse the mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Extinguishing measures to suit surroundings. Unsuitable extinguishing media High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

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Replaced version: 3.0.0, issued: 10.11.2019

Region: GB

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. Incompatible products

None known

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation

liquid

Form/Colour liquid

pink

Odour

characteristic

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pH value Value		8.3	
Reference temperature		20	°C
•		20	5
Boiling point / boiling range			
Value		82	°C
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value		160	°C
Ignition temperature			
Value		400	°C
Auto ignition tomporature			
Auto-ignition temperature Comments	Product is not	selfigniting	
		sengining.	
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density Value		<u> </u>	g/cm ³
value		1	y/cm
Reference temperature		1 20	
Reference temperature		1 20) S
Solubility in water		20	
	Completely mi	20	
Solubility in water Comments	Completely mi	20	
Solubility in water	Completely mi	20	
Solubility in water Comments Solubility No data available		20	
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v		20	
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available		20	
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity	value)	20 scible	•C
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity Value	value)	20	
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity	value)	20 scible	•C
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity Value Type Particle characteristics	value)	20 scible	•C
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity Value Type	value)	20 scible	•C
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity Value Type Particle characteristics No data available	value)	20 scible	•C
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity Value Type Particle characteristics No data available 2 Other information	value)	20 scible	•C
Solubility in water Comments Solubility No data available Partition coefficient n-octanol/water (log v No data available Viscosity Value Type Particle characteristics No data available	value)	20 scible	•C

10.1 Reactivity

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No data available.

- **10.2 Chemical stability** Stable under recommended storage and handling conditions (See section 7).
- **10.3 Possibility of hazardous reactions** No data available.
- **10.4 Conditions to avoid** None, if handled according to intended use.
- **10.5** Incompatible materials No data available.
- **10.6 Hazardous decomposition products** None, if handled according to intended use.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity
No data available
Acute dermal toxicity
No data available
Acute inhalational toxicity
No data available
Skin corrosion/irritation
No data available
Serious eye damage/irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Reproduction toxicity
No data available
Carcinogenicity
No data available
STOT - single exposure
No data available
STOT - repeated exposure
No data available
Aspiration hazard
No data available

11.2 Information on other hazards

Endocrine disrupting properties No data available. Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

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Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability No data available.

- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.
- **12.5 Results of PBT and vPvB assessment** No data available.
- **12.6 Endocrine disrupting properties** No data available.
- **12.7 Other adverse effects** No data available.

12.8 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

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No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user No data available.

14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

sections)	
EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI) B Some substances (acids, bases, etc.) are placed on the market in aqueous solution

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Creation of the safety data sheet UMCO GmbH Georg-Wilhelm-Str. 187, D-21107 Hamburg Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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					edaing	
Trade	name: Textile ma	rker ink (red) c	ontained in: edding 450	0, edding 4600		
			Ū	· · · ·		
Current	version: 4.0.0, issued: 1	1.05.2021	Replaced version:	3.0.0, issued: 06.05.2021	Region:	GB
SEC	TION 1: Identifica	tion of the sul	bstance/mixture and c	of the company/unde	ertaking	
1.1	Product identifier					
	Trade name					
	Textile marker	ink (red) co	ontained in: edding	4500, edding 460	00	
1.2	Relevant identified	d uses of the ຣເ	ubstance or mixture and	uses advised against	t	
	Relevant identified Ink for use in felt pen		tance or mixture			
	Uses advised again No data available.	st				
1.3	Details of the supp	olier of the safe	ety data sheet			
	Address edding International (Bookkoppel 7					
	D-22926 Ahrens	0				
	Information provide	+49 (0) 41 02 / 80 ed by / telephone				
	+49 (0)4102 - 808-0 Advice on Safety Da	ata Sheet				
	sdb_info@umco.de					
1.4	Emergency teleph For medical advice (i +49 (0)30 30686 790	n German and En				
SEC	TION 2: Hazards i	dentification				
2.1	Classification of th	ne substance o	r mixture			
1	Classification inform	mation	ication and labelling criteria (given in the Regulation (E0	C) No 1272/2008 (CLP	').
2.2	Label elements Not relevant					
2.3	Other hazards					
	No data available.					_
SEC	TION 3: Composit	tion/informatio	on on ingredients			
3.1	Substances Not applicable. The p	product is not a su	bstance.			
3.2	Mixtures					
	Chemical character Mixture (preparation)					
	Hazardous ingredie	nts				
No	Substance name CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Additional inform	mation %	
	REACH no				70	
1	pyridine-2-thiol 1-c	,		0.40		
	3811-73-2 223-296-5	Acute Tox. 4; H3 Acute Tox. 3; H3		< 0.10	wt%	
	-	Acute Tox. 3, H3 Acute Tox. 4; H3				
	-	Aquatic Acute 1;	H400			
		Eye Irrit. 2; H319				
		Skin Irrit. 2; H31	0			

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		Aquatic Chronic 2; H411 Skin Sens. 1; H317 STOT RE 1; H372i			
2	propane-1,2-d	iol			
	57-55-6 200-338-0	-	<	2.50	wt%
	-				

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)	
1	-	-	M = 100	-	
No	No Route target organ concrete effect				

1 H372

inhalational; central nervous system; -

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse out mouth and give plenty of water to drink. Call a doctor immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide; Extinguishing powder; Foam; Water spray jet Unsuitable extinguishing media High power 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); Nitrogen oxides (NOx)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions Keep container tightly closed and dry in a cool, well-ventilated place.

Recommended storage temperature

Value < 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Do not store together with: Alkalis; Acids

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	propane-1,2-diol	57-55-6		200-338-0	
	List of approved workplace exposure limits (WELs) / EH40				
	Propane-1,2-diol				
	vapour & particulates				
	WEL long-term (8-hr TWA reference period)	474	mg/m³	150	ppm
	List of approved workplace exposure limits (WELs) / EH40				
	Propane-1,2-diol particulates				
	WEL long-term (8-hr TWA reference period)	10	mg/m³		

8.2 Exposure controls



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Region: GB

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation liquid				
Form/Colour liquid red				
Odour odourless				
pH value Value Comments	6.5 - undiluted	8.5		
Boiling point / boiling range Value		100	°C	
Melting point/freezing point Value		0	°C	
Decomposition temperature No data available				
Flash point No data available				
Ignition temperature No data available				
Flammability No data available				
Lower explosion limit No data available				
Upper explosion limit No data available				



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Trade name: Textile marker ink (red) contained in: edding 4500, edding 4600

Current version : 4.0.0, issued: 11.05.2021

Replaced version: 3.0.0, issued: 06.05.2021

Region: GB

14-					
	Vapour pressure No data available				
	Relative vapour density				
	No data available				
Re	lative density				
Va	lue		1.05		
Re	ference temperature		20	°C	
	nsity data available				
So	lubility in water				
Co	mments	miscible			
	lubility data available				
	rtition coefficient n-octanol/water (log valu data available	ue)			
Vis	scosity				
Va	lue		10.0	mPa*s	
Re Ty	ference temperature	dynamic	25	°C	
Pa	rticle characteristics	aynamie			
No	data available				
9.2	Other information				
	her information				
No	data available.				
SEC	TION 10: Stability and reactivity				
10.1	Reactivity No data available.				
10.2	Chemical stability Stable under recommended storage and ha	Indling conditions (S	ee sectio	on 7).	
10.3	Possibility of hazardous reactions No data available.				
10.4	Conditions to avoid Temperatures > 50°C. Keep from freezing.				
10.5	Incompatible materials Alkalis; Acids				
10.6	Hazardous decomposition products None, if handled according to intended use.				
SEC	TION 11: Toxicological information				
11.1	Information on hazard classes as def	ined in Regulatio	on (EC)	No 1272/2008	
	ute oral toxicity	-	. ,		
	data available				
Ac	ute dermal toxicity				
	data available				

Acute inhalational toxicity

No data available





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Skin corrosion/irritation	
No data available	
Serious eye damage/irritation	
No data available	
Respiratory or skin sensitisation	
No data available	
Germ cell mutagenicity	
No data available	
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
STOT - single exposure	
No data available	
STOT - repeated exposure	
No data available	
Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)	
No data available	
Toxicity to fish (chronic)	
No data available	
Toxicity to Daphnia (acute)	
No data available	
Toxicity to Daphnia (chronic)	
No data available	
Toxicity to algae (acute)	
No data available	
Toxicity to algae (chronic)	
No data available	
Bacteria toxicity	
No data available	

12.2 Persistence and degradability No data available.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil

No data available.

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- **12.5 Results of PBT and vPvB assessment** No data available.
- **12.6 Endocrine disrupting properties** No data available.
- 12.7 Other adverse effects
 - No data available.
- 12.8 Other information Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information No data available.

- **14.5** Environmental hazards Information on environmental hazards, if relevant, please see 14.1 - 14.3.
- 14.6 Special precautions for user No data available.
- 14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU regulations</u>

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.





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Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H372i	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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