₽%6 ₽	°S&nf#fØ93fatEPBIN€€	600 TXTL PEN		64974-1049 64974-2020	
Trade	e name: Textile marker	ink (black) contair	ned in: edding 4500, e	edding 4600	
Curren	it version : 3.0.0, issued: 11.02.2	021	Replaced version: 2.0.0, iss	ued: 10.11.2019	Region: GB
SEC	TION 1: Identification	of the substance	mixture and of the	company/undortaking	
<u>3EC</u>	Product identifier	or the substance	mixture and of the c	company/undertaking	
	Trade name				
	Textile marker ink	(black) contai	ined in: edding 45	i00, edding 4600	
1.2	Relevant identified use Relevant identified uses Ink for use in felt pens			advised against	
	Uses advised against No data available.				
1.3	Details of the supplier Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg Telephone no. +49 (Information provided by +49 (0)4102 - 808-0 Advice on Safety Data S	H (0) 41 02 / 80 8-0 / telephone	sheet		
1.4	sdb_info@umco.de Emergency telephone For medical advice (in Gel +49 (0)30 30686 790 (Gift	rman and English):			
SEC	TION 2: Hazards ident	tification			
2.1	(EC) n° 1272/2008: Physical hazards: determi Annex I to CLP Health hazards and enviro based on the methods or s	on and classified using th ned through assessm onmental hazards: det standards referred to	e methods and criteria belo ent data based on the met ermined through toxicologi in Part 3, 4 and 5 of Annex	ow referred to in Article 9 of Re hods or standards referred to in cal and ecotoxicological assess (I to CLP. on (EC) No 1272/2008 (CLP).	n part 2 of
2.2	Label elements				
	Labelling according to	Regulation (EC) I	No 1272/2008 (CLP Reg	gulation)	
	Hazard pictograms				
	- Signal word				
	- Hazard statement(s) -				
	Hazard statements (EU) EUH208	isothiazolin-3-one [E		on mass of: 5-chloro-2-methyl- nethyl-2H -isothiazol-3-one [EC	
	Precautionary statement	t(s)	-		
	- Labelling information				
			Page 1 of 9		Dogo 1

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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	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentration	%
	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	reaction mass of:	5-chloro-2-methyl-4-isothiazolin-3-one [EC no.		
	247-500-7] and 2-m	nethyl-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	<u> </u>	

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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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	

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Reference temperature	20	°C	
Boiling point / boiling range Value	82	°C	
	02	6	
Melting point/freezing point No data available			
Decomposition temperature No data available			
Flash point			
Value	146	°C	
Ignition temperature	·		
Value	400	°C	
Auto-ignition temperature	·		
Comments	Product is not selfigniti	ng.	
Flammability	C		
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 miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (lo No data available	og 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	

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)

Corrosive to the respiratory tract.
Toxic if swallowed.
Harmful if swallowed.
Fatal in contact with skin.
Toxic in contact with skin.
Causes severe skin burns and eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes serious eye irritation.
Fatal if inhaled.

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H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Notes relating to the iden 1272/2008, Annex VI)	tification, 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	
	n our present knowledge and experience. ribes 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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Tue d		ulter internal annatai	n a dina a dalimar 450		
Irad	e name: Textile ma	arker ink (red) contai	nea in: eading 450	JU, edding 4600	
Curren	t version : 4.0.0, issued: 1	11.05.2021	Replaced version: 3	3.0.0, issued: 06.05.2021	Region: GB
SEC	TION 1: Identifica	tion of the substan	ce/mixture and o	f the company/undertal	king
1.1	Product identifier				
	Trade name				
		ι, γ	•	4500, edding 4600	
1.2		uses of the substance		uses advised against	
	Uses advised again No data available.				
1.3	Details of the sup	plier of the safety dat	ta sheet		
	Address edding International Bookkoppel 7 D-22926 Ahrens				
	Telephone no.	+49 (0) 41 02 / 80 8-0			
	Information provide +49 (0)4102 - 808-0				
	Advice on Safety D sdb_info@umco.de	ata Sheet			
1.4	Emergency teleph For medical advice (+49 (0)30 30686 790	in German and English):			
SEC	TION 2: Hazards i	identification			
2.1	Classification of t	he substance or mixt	ture		
I.	Classification infor This product does no		and labelling criteria g	iven in the Regulation (EC) No	0 1272/2008 (CLP).
2.2	Label elements Not relevant				
2.3	Other hazards No data available.				
SEC	TION 3: Composi	tion/information on	ingredients		
3.1	Substances Not applicable. The p	product is not a substanc	æ.		
3.2	Mixtures				
	Chemical character Mixture (preparation)			
N	Hazardous ingredie	ents		Additional information	n
	CAS / EC / Index / REACH no	Classification (EC) 12	272/2008 (CLP)	Concentration	%
1	pyridine-2-thiol 1-	oxide, sodium salt			
	3811-73-2 223-296-5	Acute Tox. 4; H302		< 0.10	wt%
	-	Acute Tox. 3; H311 Acute Tox. 4; H332			
	-	Aquatic Acute 1; H400			
		Eye Irrit. 2; H319 Skin Irrit. 2; H315			

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		Aquatic Chronic 2; H411 Skin Sens. 1; H317 STOT RE 1; H372i			
2	propane-1,2-diol				
	57-55-6	-	<	2.50	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; 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			
liquid			
Form/Colour			
liquid			
red			
Odour			
odourless			
nH value			
pH value Value	6.5 -	8.5	
Comments	undiluted	0.0	
Boiling point / boiling range Value	1		
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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Region: GB

edding

Vapour pressure	
No data available	
Relative vapour density	
No data available	
Relative density Value 1.05	
Reference temperature 20 °C	
Density	
No data available	
Solubility in water	
Comments miscible	
Solubility	
No data available	
Partition coefficient n-octanol/water (log value) No data available	
Viscosity Value 10.0 mPa*s	
Reference temperature 25 °C	
Type dynamic	
Particle characteristics	
No data available	
0.2 Other information	
Other information No data available.	
SECTION 10: Stability and reactivity	
I0.1 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 Temperatures > 50°C. Keep from freezing.	
10.5 Incompatible materials Alkalis; Acids	
10.6 Hazardous decomposition products None, if handled according to intended use.	
SECTION 11: Toxicological information	
1.1 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

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

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

Current version : 4.0.0, issued: 11.05.2021

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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 (red) contained in: edding 4500, edding 4600

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Replaced version: 3.0.0, issued: 06.05.2021

Region: GB

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:

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

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				eddi	ng -	
rad	e name: Textile marker	ink (blue) contained in: ec	lding 4500, edding 4600			
urrer	nt version : 4.0.0, issued: 11.02.20	021 Replaced	version: 3.0.0, issued: 10.11.201	9	Region: GB	
SEC	CTION 1: Identification	of the substance/mixtur	e and of the company/	undertaking		
1.1	Product identifier Trade name					
	Textile marker ink	(blue) contained in:	edding 4500, eddin	g 4600		
1.2		s of the substance or mixt of the substance or mixture	ure and uses advised ag	ainst		
1.3	Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg	0) 41 02 / 80 8-0 / telephone				
1.4	Emergency telephone i For medical advice (in Ger +49 (0)30 30686 790 (Giftr	man and English):				
SEC	CTION 2: Hazards ident	ification				
2.1	(EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s		nased on the methods or stand nrough toxicological and ecoto 4 and 5 of Annex I to CLP.	dards referred to in oxicological assessi	part 2 of	
	Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation) Hazard pictograms					
	- Signal word					
	-					
	- Hazard statement(s)					
	-	Contains 1,2-benzisothiazol-3 isothiazolin-3-one [EC no. 24 239-6] (3:1). May produce an	7-500-7] and 2-methyl-2H -iso			
	- Hazard statement(s) - Hazard statements (EU)	isothiazolin-3-one [EC no. 24] 239-6] (3:1). May produce an	7-500-7] and 2-methyl-2H -iso			

Item Numbers: 64974-1049

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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; H332 - Acute Tox. 4; H332 - Acute Tox. 4; H302 - Acute Tox. 4; H302 - Aquatic Acute 1; H400 Eye Irit. 2; H315 Aquatic Chronic 1; H410 2 1.2-benzisothiazol-3(2H)-one 2 634-33-5 Acute Tox. 4; H302 200-120-9 Aquatic Acute 1; H400 613-088-00-6 Eye Dam. 1; H318 01-2120761540-60 Skin Irit. 2; H315 Skin Sens. 1; H317 3 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-329-6] (3:1) - Acute Tox. 2; H310 59865-84-9 Acute Tox. 2; H330 0.0015 - Acute Tox. 2; H330 0.0015 -</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; H332 - Acute Tox. 4; H332 - Acute Tox. 4; H302 - Acute Tox. 4; H302 - Aquatic Acute 1; H400 Eye Irit. 2; H315 Aquatic Chronic 1; H410 2 1.2-benzisothiazol-3(2H)-one 2 634-33-5 Acute Tox. 4; H302 200-120-9 Aquatic Acute 1; H400 613-088-00-6 Eye Dam. 1; H318 01-2120761540-60 Skin Irit. 2; H315 Skin Sens. 1; H317 3 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-329-6] (3:1) - Acute Tox. 2; H310 59865-84-9 Acute Tox. 2; H330 0.0015 - Acute Tox. 2; H330 0.0015 -	

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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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		
blue		
Odour		
slight		
pH value Value	8.3	

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rent version : 4.0.0, issued: 11.02.2021	Replaced ver	sion: 3.0.0), issued: 10.11.2019	Regio
Reference temperature		20	°C	
Boiling point / boiling range				
Value		82	°C	
Melting point/freezing point No data available				
Decomposition temperature				
No data available				
Flash point				
Value		100	°C	
Ignition temperature				
Value		400	°C	
Auto-ignition temperature				
Comments	Product is not se	elfigniting		
Flammability				
No data available				
Lower explosion limit				
No data available				
Upper explosion limit No data available				
Vapour pressure Value		23	hPa	
Reference temperature		23	°C	
Relative vapour density No data available Relative density				
No data available				
Density				
Value		1.05	g/cm³	
Reference temperature		20	°C	
Solubility in water				
Comments	Completely miso	ible		
Solubility				
No data available				
Partition coefficient n-octanol/water	(log value)			
No data available	(
Viscosity				
Value		5	mPa*s	
Reference temperature		20	°C	
Solids content				
Value		1.8	%	
Particle characteristics No data available				
INU UALA AVAIIANE				
2 Other information				
Other information				
No data available.				

SECTION 10: Stability and reactivity



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Region: GB

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

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edding

Trade name: Textile marker ink (blue) 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

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 (blue) 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

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 (blue) contained in: edding 4500, edding 4600

: version : 4.0.0, issued: 11.02.2021	Replaced version: 3.0.0, issued: 10.11.2019	Region: G
H332 Harmful if	inhaled.	
H400 Very toxic	to aquatic life.	
H410 Very toxic	to aquatic life with long lasting effects.	
Notes relating to the identification, 1272/2008, Annex VI)	classification and labelling of substances and mixtures	((EC) No
various co labelling s have a ge supplier m	stances (acids, bases, etc.) are placed on the market in aquincentrations and, therefore, these solutions require different ince the hazards vary at different concentrations. In Part 3 é neral designation of the following type: 'nitric acid %'. In trust state the percentage concentration of the solution on the stated, it is assumed that the percentage concentration is c ight basis.	at classification and entries with Note B this case the le label. Unless
Creation of the safety data sheet UMCO GmbH Georg-Wilhelm-Str. 187, D-21107 Han Tel.: +49 40 / 555 546 300 Fax: +49 4	nburg 40 / 555 546 357 e-mail: umco@umco.de	
Tel.: +49 40 / 555 546 300 Fax: +49 4 This information is based on our prese	40 / 555 546 357 e-mail: umco@umco.de	

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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Replaced version: 3.0.0, issued: 10.11.2019

Region: GB

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

1.1 Product identifier

Trade name

Textile marker ink (green) 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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Region: GB

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

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Replaced version: 3.0.0, issued: 10.11.2019

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		Addit	ional information	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conc	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	nethyl-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. 1; H317: C >= 0.05% M = 10 - Skin Sens. 1A; H317: C >= 0.0015% M = 100 M = 100 Eye Irrit. 2; H319: C >= 0.06% M = 100 M = 100 Skin Corr. 1C; H314: C >= 0.6% Skin Corr. 1C; H318: C >= 0.6% H = 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; Alcohol-resistant 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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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		
green		
Odour		
characteristic		
pH value		
Value	8.3	

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edding

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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				
No data available				
Ignition temperature				
Value		400	°C	
Auto-ignition temperature	Draduatia	not colfigniting		
Comments	Product is	not selfigniting.		
Flammability No data available				
Lower explosion limit				
Value		0.9	% vol	
Upper explosion limit				
No data available				
Vapour pressure Value		23	hPa	
Relative vapour density No data available Relative density No data available				
Density				
Value Reference temperature		1.05 20	g/cm³ °C	
Solubility in water				
Comments	Completel	y miscible		
Solubility No data available				
Partition coefficient n-octanol/water ((log value)			
No data available				
Viscosity		_	— .	
Value Reference temperature		5 20	mPa*s °C	
Solids content			π.	
Value		4.4	%	
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	

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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	Harmful if inhaled.
	/ery toxic to aquatic life.
H410	/ery toxic to aquatic life with long lasting effects.
Notes relating to the identi 1272/2008, Annex VI)	fication, classification and labelling of substances and mixtures ((EC) No
	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and abelling 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 veight/weight basis.
Creation of the safety data UMCO GmbH Georg-Wilhelm-Str. 187, D-2	
	Fax: +49 40 / 555 546 357 e-mail: umco@umco.de
The safety data sheet descri	our present knowledge and experience. bes products with a view to safety requirements. te a guarantee for any specific product properties and shall not establish a legally valid

Alterations/supplements:

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

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Trade name: Textile marker ink (yellow) contained in: edding 4500, edding 4600 Current version : 2.0.0, issued: 05.05.2021 Replaced version: 1.0.1, issued: 18.01.2017 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier Trade name Textile marker ink (yellow) 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 fell pens Uses advised against No data available. No data available. 1.3 Details of the supplier of the safety data sheet Address edding international GmbH Bockkoppel 7 D-22328 D-22328 Arirensburg Telephone no. +49 (0) 4102 / 80 8-0 Information provided by / telephone +49 (0)30 3068 790 (Giftnotruf Berlin) SECTION 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 Regulation (EC) No 1272/ 2.2 Label elements Not relevant Substances 3.0	Contained in: edding 4500, edding 4600 Replaced version: 1.0.1, issued: 18.01.2017 Replaced version: 1.0.1, issued: 18.01.2017 Region: GE tance/mixture and of the company/undertaking Contained in: edding 4500, edding 4600 stance or mixture and uses advised against data sheet -0 sh): nixture tion and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP). on ingredients tance.	₽©PS&F#EV976atEPBINE#600 TXTL PEN		64974-4010 Porce 25 of 8				
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1.1 Product identifier Trade name Textile marker ink (yellow) 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 and uses advised against No data available. 1.3 Details of the supplier of the safety data sheet Address edding International GmbH Bookoppel 7 D-22926 Affreess edding International GmbH Bookoppel 7 D-22926 Advices Advices edding International GmbH Bookoppel 7 D-22926 Ahrensburg Telephone no. +49 (0) 4102 / 80 8-0 Information provided by / tolephone +49 (0) 4102 - 808-0 Advice on Safety Data Sheet sdb_infe@umco.de 1.4 Emergency tolephone number For medical advice (in German and English): +49 (0) 30 30886 790 (Gittnotruf Berlin) 2.1 Classification information This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/ 2.2 Label elements Not relevant Store Index 3.1 Substances<	Contained in: edding 4500, edding 4600 Stance or mixture and uses advised against nee or mixture data sheet -0 sh): Inixture tion and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP). on ingredients tance. () 1272/2008 (CLP) Additional information > 1 272/2008 (CLP)	Current version : 2.0.0, issued: 05.05.2021	eplaced version: 1.0.1, issued: 18.0	1.2017	Region: GB			
Trade name Textile marker ink (yellow) 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)4102 - 809.0 2.1 Classification of the substance or mixture Classification information This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/ 2.2 Label elements Not relevant	ata sheet -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	SECTION 1: Identification of the substance/r	nixture and of the compa	ny/undertaking				
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57-55-6 - >= 5.00 - <								
	pls. see section 16	57-55-6 -	>=	5.00 - < 10.00	wt%			
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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 immediately with plenty of water for several minutes.

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

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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		

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

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No data available.

SECTION 9: Physical and chemical properties

I Information on basic physical and chemical properties				
State of aggregation				
· Form/Colour				
liquid				
yellow				
Odour				
odourless				
pH value				
Value	6.0	- 7.0		
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				
Oxidising properties				
none				
Explosive properties				
Product does not present an explosion haza	d.			
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 No data available				
				_
Solubility in water Comments	soluble			
	Soluple			
Solubility No data available				
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	No	o data available					
	Val	scosity lue ference temperature pe	< dynamic	10 25	mPa*s °C		
		rticle characteristics data available					
9.	9.2 Other information Other information No data available.						
9		TION 10: Stability and reactivity					
		Reactivity No data available.					
10).2	Chemical stability Stable under recommended storage and ha	ndling conditions (S	ee secti	on 7).		
10).3	Possibility of hazardous reactions No data available.					
10).4	Conditions to avoid Keep from freezing. Temperatures > 50°C.					
10).5	Incompatible materials Alkalis; Acids					
10	0.6	Hazardous decomposition products None, if handled according to intended use.					
		TION 11: Toxicological information					
11		Information on hazard classes as def	ined in Regulatio	on (EC)	No 1272/2008		
		data available					
		a ute dermal toxicity data available					
		u te inhalational toxicity data available					
		in corrosion/irritation					
	Serious eye damage/irritation No data available						
	Respiratory or skin sensitisation No data available						
	Ge No	erm cell mutagenicity data available					
	No	production toxicity data available					
	No	r cinogenicity data available					
	STOT - single exposure No data available						

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STOT - repeated exposure				
No data available				
Aspiration hazard				

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available

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.

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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.

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.

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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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1.1	Product identifier Trade name				
	Textile marker ink	(orange) cont	ained in: edding 450	0, edding 4600	
1.2	Relevant identified use Relevant identified uses Ink for use in felt pens Uses advised against No data available.		e or mixture and uses advis mixture	sed against	
1.3	Details of the supplier Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg Telephone no. +49 (Information provided by +49 (0)4102 - 808-0 Advice on Safety Data SI sdb info@umco.de	0) 41 02 / 80 8-0 / telephone	sheet		
1.4	Emergency telephone in For medical advice (in Ger +49 (0)30 30686 790 (Giftu	man and English):			
SEC	TION 2: Hazards ident	ification			
2.1 2.2	(EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not mee Label elements	n nd classified using th ned through assessm nmental hazards: det tandards referred to t the classification cri	e methods and criteria below re ent data based on the methods ermined through toxicological ar in Part 3, 4 and 5 of Annex I to 0 teria given in the Regulation (EC	or standards referred to i nd ecotoxicological asses CLP. C) No 1272/2008 (CLP).	in part 2 of
		Regulation (EC) I	No 1272/2008 (CLP Regulat	<u>ion)</u>	
	Hazard pictograms - Signal word -				
	Hazard statement(s)				
	- Hazard statements (EU) EUH208	isothiazolin-3-one [E	othiazol-3(2H)-one, reaction ma EC no. 247-500-7] and 2-methyl roduce an allergic reaction.		
	Precautionary statement	(s)			
	Labelling information				
			Daga 1 of 0		

Region: GB

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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

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	No Substance name		Additi	onal 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

edding "-

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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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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	

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

rent version : 3.0.0, issued: 11.02.2021	Replaced version: 2.0.0, issued: 10.11.2019	Regio
Reference temperature	20 °C	
Boiling point / boiling range		
Value	82 °C	
Melting point/freezing point		
No data available		
Decomposition temperature		
No data available		
Flash point		
Value	146 °C	
Ignition temperature		
Value	400 °C	
Auto-ignition temperature		
Comments	Product is not selfigniting.	
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 miscible	
Solubility		
No data available		
Partition coefficient n-octanol/water (le	og value)	
No data available		
Viscosity		
Value	5 mPa*s	
Reference temperature	20 °C	
Solids content		
Value	0.3 %	
Particle characteristics		
No data available		
2 Other information		
Other information		
No data available.		



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Region: GB

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

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Region: GB

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
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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rent version: 3.0.0, issued	1: 11.02.2021	Replaced version: 2.0.0, issued: 10.11.2019	Region: GE
H332	Harmful if	inhaled.	
H400	Very toxic	to aquatic life.	
H410	Very toxic	to aquatic life with long lasting effects.	
Notes relating to 1272/2008, Annex	,	classification and labelling of substances and mixtures	s ((EC) No
В	various co labelling si have a gei supplier m	stances (acids, bases, etc.) are placed on the market in aq ncentrations and, therefore, these solutions require differer nce the hazards vary at different concentrations. In Part 3 of neral designation of the following type: 'nitric acid %'. In ust state the percentage concentration of the solution on the stated, it is assumed that the percentage concentration is c ight basis.	at classification and entries with Note B this case the ne label. Unless
0	. 187, D-21107 Ham	nburg 10 / 555 546 357 e-mail: umco@umco.de	

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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Prod-ID 636343

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rad	e name: Textile marker	ink (brown) conta	ained in: edding 4500, edding	g 4600	
urrer	nt version : 3.0.0, issued: 11.02.20)21	Replaced version: 2.0.0, issued: 10.	.11.2019	Region: GB
SEC	TION 1: Identification	of the substanc	e/mixture and of the comp	any/undertaking	
1.1	Product identifier Trade name				
	Textile marker ink	(brown) cont	ained in: edding 4500,	edding 4600	
1.2	Relevant identified use	s of the substand	ce or mixture and uses advise	ed against	
	Relevant identified uses Ink for use in felt pens	of the substance o	r mixture		
	Uses advised against No data available.				
1.3	Details of the supplier	of the safety data	sheet		
	Address edding International GmbH Bookkoppel 7	1			
	D-22926 Ahrensburg Telephone no. +49 (0) 41 02 / 80 8-0			
	Information provided by +49 (0)4102 - 808-0	,			
	Advice on Safety Data SI sdb_info@umco.de	ieet			
1.4	Emergency telephone in For medical advice (in Ger +49 (0)30 30686 790 (Gifti	man and English):			
SEC	TION 2: Hazards ident	ification			
2.1	Classification of the su	bstance or mixtu	re		
	(EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s	nd classified using t ned through assessn nmental hazards: de standards referred to	he methods and criteria below refe nent data based on the methods or etermined through toxicological and o in Part 3, 4 and 5 of Annex I to CI riteria given in the Regulation (EC)	r standards referred to ir I ecotoxicological assess LP.	n part 2 of
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s	nd classified using t ned through assessn nmental hazards: de standards referred to	nent data based on the methods or etermined through toxicological and o in Part 3, 4 and 5 of Annex I to Cl	r standards referred to ir I ecotoxicological assess LP.	n part 2 of
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not mee	nd classified using t ned through assessm nmental hazards: de standards referred to t the classification c	nent data based on the methods or etermined through toxicological and o in Part 3, 4 and 5 of Annex I to Cl	r standards referred to ir l ecotoxicological assess LP. I No 1272/2008 (CLP).	n part 2 of
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not mee	nd classified using t ned through assessm nmental hazards: de standards referred to t the classification c	nent data based on the methods or etermined through toxicological and b in Part 3, 4 and 5 of Annex I to Cl riteria given in the Regulation (EC)	r standards referred to ir l ecotoxicological assess LP. I No 1272/2008 (CLP).	n part 2 of
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not meet Label elements Labelling according to	nd classified using t ned through assessm nmental hazards: de standards referred to t the classification c	nent data based on the methods or etermined through toxicological and b in Part 3, 4 and 5 of Annex I to Cl riteria given in the Regulation (EC)	r standards referred to ir l ecotoxicological assess LP. I No 1272/2008 (CLP).	n part 2 of
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not mee Label elements Labelling according to Hazard pictograms	nd classified using t ned through assessm nmental hazards: de standards referred to t the classification c	nent data based on the methods or etermined through toxicological and b in Part 3, 4 and 5 of Annex I to Cl riteria given in the Regulation (EC)	r standards referred to ir l ecotoxicological assess LP. I No 1272/2008 (CLP).	n part 2 of
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not mee Label elements Labelling according to Hazard pictograms	nd classified using t ned through assessm nmental hazards: de standards referred to the classification c Regulation (EC) Contains 1,2-benz isothiazolin-3-one	nent data based on the methods or etermined through toxicological and b in Part 3, 4 and 5 of Annex I to Cl riteria given in the Regulation (EC)	r standards referred to ir d ecotoxicological assess LP. No 1272/2008 (CLP). DN)	n part 2 of sment data
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not mee Label elements Labelling according to Hazard pictograms - Signal word - Hazard statement(s) -	nd classified using t ned through assessm nmental hazards: de standards referred to the classification c Regulation (EC) Contains 1,2-benz isothiazolin-3-one 239-6] (3:1). May p	nent data based on the methods or etermined through toxicological and o in Part 3, 4 and 5 of Annex I to Cl riteria given in the Regulation (EC) No 1272/2008 (CLP Regulatio isothiazol-3(2H)-one, reaction mas [EC no. 247-500-7] and 2-methyl-2	r standards referred to ir d ecotoxicological assess LP. No 1272/2008 (CLP). DN)	n part 2 of sment data
2.2	This product is assessed a (EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s This product does not meet Label elements Labelling according to Hazard pictograms - Signal word - Hazard statement(s) - Hazard statements (EU) EUH208	nd classified using t ned through assessm nmental hazards: de standards referred to the classification c Regulation (EC) Contains 1,2-benz isothiazolin-3-one 239-6] (3:1). May p	nent data based on the methods or etermined through toxicological and o in Part 3, 4 and 5 of Annex I to Cl riteria given in the Regulation (EC) No 1272/2008 (CLP Regulatio isothiazol-3(2H)-one, reaction mas [EC no. 247-500-7] and 2-methyl-2	r standards referred to ir d ecotoxicological assess LP. No 1272/2008 (CLP). DN)	n part 2 of sment data

Item Numbers: 64974-1049

Region: GB

eddinc

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

Current version : 3.0.0, issued: 11.02.2021

Replaced version: 2.0.0, issued: 10.11.2019

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		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conce	entration	%	
	REACH no					
1	pyridine-2-thiol 1-c	xide, 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						
	-	ethyl-2H -isothiazol-3-one [EC no. 220-239-6]				
	· · /					
	55965-84-9	,	<	0.0015	wt%	
	-					
	613-167-00-5					
	-	Aquatic Acute 1; H400				
		Aquatic Chronic 1; H410				
		EUH071				
	1	Eye Dam. 1; H318				
		Skin Corr. 1C; H314				
		Skin Sens. 1A; H317				
	2	CAS / EC / Index / REACH no 1 pyridine-2-thiol 1-o 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: 5 247-500-7] and 2-m (3:1) 55965-84-9 - 613-167-00-5 -	CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) 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; H302 223-296-5 Acute Tox. 4; H302 - Aquatic Acute 1; H400 Eye Irrit. 2; H319 Skin 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 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 Sin 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; H300 613-167-00-5 Acute Tox. 2; H300 613-167-00-5 Acute Tox. 1; H410 EUH071 Eye Dam. 1; H318 Skin Corr. 1C; H314	CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) Concols 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 Eye Dam. 1; H318 20-120-9 Aquatic Acute 1; H400 Eye Dam. 1; H318 01-2120761540-60 Eye Dam. 1; H318 Skin Irrit. 2; H310 3 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-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 <td< th=""><th>CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) Concentration 1 pyridine-2-thiol 1-oxide, sodium salt . . 3811-73-2 Acute Tox. 4; H302 < 0.10 223-296-5 Acute Tox. 3; H311 . - Acute Tox. 4; H302 < 0.10 - Acute Tox. 4; H314 . - Acute Tox. 4; H316 . - Aquatic Acute 1; H400 . Eye Irrit. 2; H319 . . Skin Irrit. 2; H319 . . Aquatic Acute 1; H400 . . 20634-33-5 Acute Tox. 4; H302 < 0.05 220-120-9 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-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] . (3:1) 55965-84-9 </th></td<>	CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) Concentration 1 pyridine-2-thiol 1-oxide, sodium salt . . 3811-73-2 Acute Tox. 4; H302 < 0.10 223-296-5 Acute Tox. 3; H311 . - Acute Tox. 4; H302 < 0.10 - Acute Tox. 4; H314 . - Acute Tox. 4; H316 . - Aquatic Acute 1; H400 . Eye Irrit. 2; H319 . . Skin Irrit. 2; H319 . . Aquatic Acute 1; H400 . . 20634-33-5 Acute Tox. 4; H302 < 0.05 220-120-9 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-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] . (3:1) 55965-84-9 	

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. 1; H317: $C \ge 0.05\%$ M = 10 - Skin Sens. 1A; H317: $C \ge 0.0015\%$ M = 100 M = 100 Eye Irrit. 2; H319: $C \ge 0.06\%$ M = 100 M = 100 Skin Corr. 1C; H314: $C \ge 0.6\%$ Skin Corr. 1C; H314: $C \ge 0.6\%$ H = 100 Eye Dam. 1; H318: $C \ge 0.6\%$ H = 100 H = 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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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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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			
brown			
Odour			
characteristic			
pH value			
Value	8	8.2	

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Reference temperature	20		°C	
Boiling point / boiling range				
Value	82		°C	
Melting point/freezing point				
No data available				
Decomposition temperature				
No data available				
Flash point				
Value	14	6	°C	
Ignition temperature				
Value	40	0	°C	
Auto-ignition temperature				
Comments	Product is not selfigni	ting.		
Flammability				
No data available				
Lower explosion limit				
Value	0.7	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 miscible			
Solubility				
No data available				
Partition coefficient n-octanol/water (le	og value)			
No data available				
Viscosity			-	
Value Reference temperature	5 20		mPa*s °C	
Reference temperature	20		0	
Solids content		>	0/	
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	

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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Region: GB

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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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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rrent version : 3.0.0, issued: 11.02.20	Replaced version: 2.0.0, issued: 10.11.2019 Region: Gi
H332	Harmful if inhaled.
H400	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	
	n our present knowledge and experience. cribes 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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rad	e name: Textile marker i	ink (violet) contained in: edding 4	1500, edding 4600	
urrer	nt version : 3.0.0, issued: 11.02.20)21 Replaced version:	2.0.0, issued: 06.11.2019	Region: GB
SEC	CTION 1: Identification	of the substance/mixture and c	of the company/undertaking	
1.1	Product identifier Trade name			
	Textile marker ink	(violet) contained in: eddi	ng 4500, edding 4600	
1.2	Relevant identified use	s of the substance or mixture and	l uses advised 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	of the safety data sheet		
	Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg	I		
	6	0) 41 02 / 80 8-0		
	Information provided by +49 (0)4102 - 808-0	,		
	Advice on Safety Data Sh sdb_info@umco.de	leet		
1.4	Emergency telephone r For medical advice (in Ger +49 (0)30 30686 790 (Giftr	man and English):		
SEC	CTION 2: Hazards ident	ification		
2.1	Classification of the su	bstance or mixture		
	(EC) n° 1272/2008: Physical hazards: determir Annex I to CLP Health hazards and environ based on the methods or s	n nd classified using the methods and crit ned through assessment data based on nmental hazards: determined through to tandards referred to in Part 3, 4 and 5 c t the classification criteria given in the R	the methods or standards referred t oxicological and ecotoxicological ass of Annex I to CLP.	o in part 2 of essment data
2.2	Label elements			
	Labelling according to	Regulation (EC) No 1272/2008 (C	LP Regulation)	
	Hazard pictograms			
	- Signal word -			
	Hazard statement(s)			
	Hazard statements (EU) EUH208	Contains 1,2-benzisothiazol-3(2H)-one isothiazolin-3-one [EC no. 247-500-7] 239-6] (3:1). May produce an allergic r	and 2-methyl-2H -isothiazol-3-one [I	
		/		
	Precautionary statement	(S)		

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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		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conce	entration	%
	REACH no				
1	pyridine-2-thiol 1-c	xide, 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					
	-	ethyl-2H -isothiazol-3-one [EC no. 220-239-6]			
	· · /				
	55965-84-9	,	<	0.0015	wt%
	-				
	613-167-00-5				
	-	Aquatic Acute 1; H400			
		Aquatic Chronic 1; H410			
		EUH071			
	1	Eye Dam. 1; H318			
		Skin Corr. 1C; H314			
		Skin Sens. 1A; H317			
	2	CAS / EC / Index / REACH no 1 pyridine-2-thiol 1-o 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: 5 247-500-7] and 2-m (3:1) 55965-84-9 - 613-167-00-5 -	CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) 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; H302 223-296-5 Acute Tox. 4; H302 - Aquatic Acute 1; H400 Eye Irrit. 2; H319 Skin 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 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 Sin 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; H300 613-167-00-5 Acute Tox. 2; H300 613-167-00-5 Acute Tox. 1; H410 EUH071 Eye Dam. 1; H318 Skin Corr. 1C; H314	CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) Concols 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 Eye Dam. 1; H318 20-120-9 Aquatic Acute 1; H400 Eye Dam. 1; H318 01-2120761540-60 Eye Dam. 1; H318 Skin Irrit. 2; H310 3 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-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 <td< th=""><th>CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) Concentration 1 pyridine-2-thiol 1-oxide, sodium salt . . 3811-73-2 Acute Tox. 4; H302 < 0.10 223-296-5 Acute Tox. 3; H311 . - Acute Tox. 4; H302 < 0.10 - Acute Tox. 4; H314 . - Acute Tox. 4; H316 . - Aquatic Acute 1; H400 . Eye Irrit. 2; H319 . . Skin Irrit. 2; H319 . . Aquatic Acute 1; H400 . . 20634-33-5 Acute Tox. 4; H302 < 0.05 220-120-9 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-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] . (3:1) 55965-84-9 </th></td<>	CAS / EC / Index / REACH no Classification (EC) 1272/2008 (CLP) Concentration 1 pyridine-2-thiol 1-oxide, sodium salt . . 3811-73-2 Acute Tox. 4; H302 < 0.10 223-296-5 Acute Tox. 3; H311 . - Acute Tox. 4; H302 < 0.10 - Acute Tox. 4; H314 . - Acute Tox. 4; H316 . - Aquatic Acute 1; H400 . Eye Irrit. 2; H319 . . Skin Irrit. 2; H319 . . Aquatic Acute 1; H400 . . 20634-33-5 Acute Tox. 4; H302 < 0.05 220-120-9 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-chloro-2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] . (3:1) 55965-84-9

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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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		
violet		
Odour		
characteristic		
pH value		
Value	8.2	

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Reference temperature	20 °C	
Boiling point / boiling range		
Value	82 °C	
Melting point/freezing point		
No data available		
Decomposition temperature No data available		
Flash point Value	146 °C	
Ignition temperature Value	400 °C	
Auto-ignition temperature		
Comments	Product is not selfigniting.	
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 miscible	
Solubility		
No data available		
Partition coefficient n-octanol/water (log value)	
No data available		
Viscosity		
Value	5 mPa*s	
Reference temperature	20 °C	
Solids content		
Value	0.3 %	
Particle characteristics No data available		
2 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	

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)

Corrosive to the respiratory tract.
Toxic if swallowed.
Harmful if swallowed.
Fatal in contact with skin.
Toxic in contact with skin.
Causes severe skin burns and eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes serious eye irritation.
Fatal if inhaled.

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H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Notes relating to the id 1272/2008, Annex VI)	entification, 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 o UMCO GmbH Georg-Wilhelm-Str. 187, Tel.: +49 40 / 555 546 30	
The safety data sheet de	d on our present knowledge and experience. escribes 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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EVEPSEREEPSINEEE00 TXTL PEN			
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Currer	nt version : 4.0.0, issued: 11.02.2	021 Replaced version: 3.0.0, issu	red: 10.11.2019 Region: GB
SEC	TION 1: Identification	of the substance/mixture and of the c	ompanv/undertaking
1.1	Product identifier		
	Trade name		
	Textile marker ink	(pink) contained in: edding 450	0, edding 4600
1.2	Relevant identified use	es of the substance or mixture and uses a	dvised against
	Relevant identified uses 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	1	
	D-22926 Ahrensburg Telephone no. +49 (0) 41 02 / 80 8-0	
	Information provided by +49 (0)4102 - 808-0		
	Advice on Safety Data Sl sdb_info@umco.de	heet	
1.4	Emergency telephone For medical advice (in Ger +49 (0)30 30686 790 (Gift	rman and English):	
SEC	TION 2: Hazards ident	tification	
2.1	Classification of the su	Ibstance or mixture	
	(EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and enviro based on the methods or s	on and classified using the methods and criteria belo ned through assessment data based on the meth onmental hazards: determined through toxicologic standards referred to in Part 3, 4 and 5 of Annex et the classification criteria given in the Regulatior	ods or standards referred to in part 2 of al and ecotoxicological assessment data I to CLP.
2.2	Label elements		
	Labelling according to	Regulation (EC) No 1272/2008 (CLP Regu	ulation)
	Hazard pictograms		
	- Signal word		
	- Hazard statement(s) -		
L	Hazard statements (EU) EUH208	Contains 1,2-benzisothiazol-3(2H)-one, reaction isothiazolin-3-one [EC no. 247-500-7] and 2-me 239-6] (3:1). May produce an allergic reaction.	
-	Precautionary statement	a(s)	
	- Labelling information		

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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)	Concentration		%
		REACH no				
	1	pyridine-2-thiol 1-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	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	<	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 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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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	
Boiling point / boiling range					_
Value			82	S°	
Melting point/freezing point					
No data available					-
Decomposition temperature					
No data available					-
Flash point					
Value			160	°C	
Ignition temperature					
Value			400	°C	
				-	
Auto-ignition temperature Comments	Product is	s not selfi	aniting		
	1 1000018		grinning.		_
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			1	g/cm ³	
Reference temperature			20	O°	
Solubility in water					
Comments	Complete	ly miscibl	е		
Solubility					
No data available					
Partition coefficient n-octanol/water (log va	lue)				
No data available					
Viscosity					
Value	3	-	5.7	mPa*s	
Туре	dynamic				
Particle characteristics					
No data available					
2 Other information					
Other information					_
No data available.					
ECTION 10: Stability and reactivity					

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
Taviaidu da fiala (alauguia)
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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Region: GB

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:

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[rad	e name: Textile marker	nk (light blue) contained in: eddi	ing 4500, edding 4600	
Curren	nt version : 3.0.0, issued: 11.02.20	21 Replaced version:	: 2.0.0, issued: 10.11.2019	Region: GB
SEC	TION 1: Identification	of the substance/mixture and (of the company/undertaking	
1.1	Product identifier			
	Trade name			
	Textile marker ink	(light blue) contained in:	edding 4500, edding 4600	
1.2	Relevant identified use	s of the substance or mixture and	d uses advised against	
	Relevant identified uses Ink for use in felt pens	of the substance or mixture		
	Uses advised against No data available.			
1.3	Details of the supplier of Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg	of the safety data sheet		
	Telephone no. +49 (1 Information provided by +49 (0)4102 - 808-0)) 41 02 / 80 8-0 telephone		
	Advice on Safety Data Sh sdb_info@umco.de	eet		
1.4	Emergency telephone r For medical advice (in Ger +49 (0)30 30686 790 (Giftr	nan and English):		
SEC	TION 2: Hazards ident	fication		
2.1	Classification of the su	bstance or mixture		
	(EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and environ based on the methods or s	nd classified using the methods and cri ed through assessment data based on		n part 2 of
2.2	Label elements			
	Labelling according to	Regulation (EC) No 1272/2008 (C	LP Regulation)	
	Hazard pictograms			
	- Signal word			
	Hazard statement(s) -			
	Hazard statements (EU) EUH208		e, reaction mass of: 5-chloro-2-methyl-4 and 2-methyl-2H -isothiazol-3-one [EC reaction.	
	Precautionary statement	s)		
	Labelling information			
Numbers	s: 64974-1049	Page 1 of 9		Page 80

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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 ingredien	ts
---------------------	----

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	pyridine-2-thiol 1-c	oxide, sodium salt		
	3811-73-2 223-296-5	Acute Tox. 4; H302 Acute Tox. 3; H311	< 0.10	wt%
	_	Acute Tox. 4; H332		
	-	Aquatic Acute 1; H400		
		Eye Irrit. 2; H319		
		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		5-chloro-2-methyl-4-isothiazolin-3-one [EC no. hethyl-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		
4	glycerol			
	56-81-5	-	>= 25.00 - < 50.00	wt%
	200-289-5			
	-			
	-			

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)".

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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.

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 avaliable.

SECTION 7: Handling and storage

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Precautions for safe handling 7.1

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 None known

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	glycerol	56-81-5		200-289-5
	List of approved workplace exposure limits (WELs) /	EH40		
	Glycerol mist			
	WEL long-term (8-hr TWA reference period)	10	mg/m³	

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form/Colour			
liquid			
light blue			
Odour			
characteristic			
pH value			
No data available			
Boiling point / boiling range			
Value		100 °C	
Melting point/freezing point			
No data available			
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			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density No data available			
Density No data available			
Solubility in water Comments	miscible		
Solubility No data available			
Partition coefficient n-octanol/water (log No data available	value)		
Viscosity			
No data available			
Particle characteristics			
No data available			
2 Other information			

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Other information No data available.

SECTION 10: Stability and reactivity

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** 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
No data available Reproduction toxicity No data available
Reproduction toxicity No data available
Reproduction toxicity
Reproduction toxicity No data available Carcinogenicity No data available
Reproduction toxicity No data available Carcinogenicity No data available STOT - single exposure
Reproduction toxicity No data available Carcinogenicity No data available STOT - single exposure No data available
Reproduction toxicity No data available Carcinogenicity No data available STOT - single exposure No data available STOT - repeated exposure
Reproduction toxicity No data available Carcinogenicity No data available STOT - single exposure No data available
Reproduction toxicity No data available Carcinogenicity No data available STOT - single exposure No data available STOT - repeated exposure

11.2 Information on other hazards

Endocrine disrupting properties No data available.

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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.

- **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.

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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.

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.

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Current version: 3.0.0, issued: 11.02.20	Replaced version: 2.0.0, issued: 10.11.2019Region: GB
H317	/lay cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	atal if inhaled.
H332	larmful if inhaled.
H400	/ery toxic to aquatic life.
H410	/ery toxic to aquatic life with long lasting effects.
Notes relating to the iden 1272/2008, Annex VI)	fication, classification and labelling of substances and mixtures ((EC) No
В	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at rarious concentrations and, therefore, these solutions require different classification and abelling 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 upplier 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

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