	Stafe By Clarter BNC 49	00 TXTL MRKR		64973-2020	Baaa
Trade	<b>name:</b> Textile marker i	ink (black) contair	ned in: edding 4500, edd	ing 4600	
Current	version : 3.0.0, issued: 11.02.20	)21	Replaced version: 2.0.0, issued:	: 10.11.2019	<b>Region</b> : G
SECT	TION 1: Identification	of the substance	/mixture and of the cor	mpany/undertaking	
1.1	Product identifier				
	Trade name				
	Textile marker ink	(black) contai	ned in: edding 4500	), edding 4600	
1.2	Relevant identified uses Relevant identified uses Ink for use in felt pens		e or mixture and uses adv mixture	∕ised against	
	<b>Uses advised against</b> No data available.				
1.3	Details of the supplier of Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg Telephone no. +49 (0 Information provided by A	I 0) 41 02 / 80 8-0	sheet		
	+49 (0)4102 - 808-0 Advice on Safety Data Sh sdb_info@umco.de	-			
1.4	Emergency telephone r For medical advice (in Gen +49 (0)30 30686 790 (Giftr	man and English):			
SECT	TION 2: Hazards ident	ification			
2.1	(EC) n° 1272/2008: Physical hazards: determin Annex I to CLP Health hazards and environ based on the methods or s	<b>n</b> and classified using the ned through assessme nmental hazards: dete standards referred to i	e e methods and criteria below i ent data based on the method ermined through toxicological n Part 3, 4 and 5 of Annex I to teria given in the Regulation (I	ls or standards referred to ir and ecotoxicological assess o CLP.	n part 2 of
2.2	Label elements				
2.2		Regulation (EC) N	lo 1272/2008 (CLP Regula	ation)	
2.2		Regulation (EC) N	<u>lo 1272/2008 (CLP Regula</u>	<u>ation)</u>	
2.2	Labelling according to	Regulation (EC) I	<u>ło 1272/2008 (CLP Regula</u>	<u>ation)</u>	
2.2	Labelling according to Hazard pictograms	Regulation (EC) !	<u>ło 1272/2008 (CLP Regul</u> á	<u>ation)</u>	
2.2	Labelling according to Hazard pictograms - Signal word	Contains 1,2-benzis isothiazolin-3-one [E	to 1272/2008 (CLP Regulation of the second stress o	nass of: 5-chloro-2-methyl-4	
2.2	Labelling according to Hazard pictograms - Signal word - Hazard statement(s) - Hazard statements (EU)	Contains 1,2-benzis isothiazolin-3-one [E 239-6] (3:1). May pr	othiazol-3(2H)-one, reaction n C no. 247-500-7] and 2-meth	nass of: 5-chloro-2-methyl-4	
2.2	Labelling according to Hazard pictograms - Signal word - Hazard statement(s) - Hazard statements (EU) EUH208	Contains 1,2-benzis isothiazolin-3-one [E 239-6] (3:1). May pr	othiazol-3(2H)-one, reaction n C no. 247-500-7] and 2-meth	nass of: 5-chloro-2-methyl-4	

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

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Region: GB

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

# 2.3 Other hazards

No data available.

**SECTION 3: Composition/information on ingredients** 

## 3.1 Substances

Not applicable. The product is not a substance.

## 3.2 Mixtures

**Chemical characterization** Mixture (preparation)

	No	Substance name		Additional inform	nation
		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		5-chloro-2-methyl-4-isothiazolin-3-one [EC no.		
			ethyl-2H -isothiazol-3-one [EC no. 220-239-6]		
		(3:1)			
		55965-84-9	Acute Tox. 2; H310	< 0.0015	wt%
		-	Acute Tox. 2; H330		
		613-167-00-5	Acute Tox. 3; H301		
		-	Aquatic Acute 1; H400		
			Aquatic Chronic 1; H410		
			EUH071		
			Eye Dam. 1; H318		
			Skin Corr. 1C; H314		
			Skin Sens. 1A; H317		

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

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

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

# **SECTION 4**: First aid measures

# 4.1 Description of first aid measures

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

Current version : 3.0.0, issued: 11.02.2021

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

Current version : 3.0.0, issued: 11.02.2021

Replaced version: 2.0.0, issued: 10.11.2019

Region: GB

# General protective and hygiene measures

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

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

## 7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

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

## Requirements for storage rooms and vessels

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

## 7.3 Specific end use(s)

No data available.

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

No parameters available for monitoring.

## 8.2 Exposure controls

**Appropriate engineering controls** No data available.

## **Personal protective equipment**

#### Respiratory protection

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

#### Eye / face protection

Safety glasses with side protection shield (EN 166)

### Hand protection

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

Other

# Normal chemical work clothing.

Environmental exposure controls

No data available.

# **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

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



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

ent version : 3.0.0, issued: 11.02.2021	Replaced version: 2.	0.0, 133000. 10.11.2013	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	ng.	
Flammability No data available			
Lower explosion limit Value	0.7	% vol	
Upper explosion limit	·		
Value	22	% vol	
Vapour pressure			
Value Reference temperature	23 20	hPa °C	
	20	0	
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 va	alue)		
No data available			
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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# edding

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

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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**



# edding

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

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Replaced version: 2.0.0, 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 (chron	c)	
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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# Trade name: Textile marker ink (black) contained in: edding 4500, edding 4600

Current version : 3.0.0, issued: 11.02.20	Replaced version: 2.0.0, issued: 10.11.2019         Region: GB
H332 H400 H410	Harmful if inhaled. Very toxic to aquatic life. 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
B	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.
<b>Creation of the safety dat</b> UMCO GmbH Georg-Wilhelm-Str. 187, D- Tel.: +49 40 / 555 546 300	
The safety data sheet desc	n our present knowledge and experience. ribes products with a view to safety requirements. ute a guarantee for any specific product properties and shall not establish a legally valid

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

## Alterations/supplements:

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

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rad	e name: Textile marker	ink (blue) contained in: edding 4500	0, edding 4600	
urren	nt version : 4.0.0, issued: 11.02.20	021 <b>Replaced version:</b> 3.0	.0, issued: 10.11.2019 F	Region: GB
SEC	TION 1: Identification	of the substance/mixture and of t	the company/undertaking	
1.1	Product identifier Trade name			
	Textile marker ink	(blue) contained in: edding	4500, edding 4600	
1.2		es of the substance or mixture and us of the substance or mixture	ses advised against	
1.3	Address edding International GmbH Bookkoppel 7 D-22926 Ahrensburg	0) 41 02 / 80 8-0 / <b>telephone</b>		
1.4	Emergency telephone i For medical advice (in Ger +49 (0)30 30686 790 (Giftr	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		e methods or standards referred to in p cological and ecotoxicological assessme Annex I to CLP.	art 2 of
L.£		Regulation (EC) No 1272/2008 (CLP	<sup>,</sup> Regulation)	
	Hazard pictograms			
	- Signal word -			
	Hazard statement(s) -			
	Hazard statements (EU) EUH208	Contains 1,2-benzisothiazol-3(2H)-one, ro isothiazolin-3-one [EC no. 247-500-7] and 239-6] (3:1). May produce an allergic rea	d 2-methyl-2H -isothiazol-3-one [ÉC no	o. 220-
	D			
	Precautionary statement	(5)		

Region: GB

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# Trade name: Textile marker ink (blue) 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)

Hazardous in	ngredients
--------------	------------

No	No Substance name		Additional 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	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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## Trade name: Textile marker ink (blue) contained in: edding 4500, edding 4600

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Replaced version: 3.0.0, issued: 10.11.2019

Region: GB

#### **General information**

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

## After inhalation

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

#### After skin contact

Wash off immediately with soap and water.

## After eye contact

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

#### After ingestion

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

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

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

## **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

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

## 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2)

## 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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

#### For emergency responders

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

## 6.2 Environmental precautions

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

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

6.4 Reference to other sections

No data available.

## **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

#### Advice on safe handling

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

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## Trade name: Textile marker ink (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

# 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	



# **edding**<sup>®</sup>

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

rent version : 4.0.0, issued: 11.02.2021	Replaced version: 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	400	***	
Value	100	°C	
Ignition temperature	400		
Value	400	°C	
Auto-ignition temperature	Dreductic rest colfination		
Comments	Product is not selfigniti	ng.	
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Value Reference temperature	23 20	hPa °C	
	20		
Relative vapour density No data available			
Relative density			
No data available			
Density			
Value	1.05	0	
Reference temperature	20	°C	
Solubility in water			
Comments	Completely miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (I No data available	og value)		
Viscosity			
Value	5	mPa*s	
Reference temperature	20	°C	
Solids content			
Value	1.8	%	
Particle characteristics			
No data available			
Other information			
Other information			
No data available.			

SECTION 10: Stability and reactivity

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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

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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## 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

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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

Current version : 4.0.0, issued: 11.02.2021	Replaced version: 3.0.0, issued: 10.11.2019 Region: GB
	armful if inhaled. ery toxic to aquatic life.
H410 V	ery toxic to aquatic life with long lasting effects.
Notes relating to the identif 1272/2008, Annex VI)	cation, classification and labelling of substances and mixtures ((EC) No
va la ha si ot	ome substances (acids, bases, etc.) are placed on the market in aqueous solutions at arious concentrations and, therefore, these solutions require different classification and belling since the hazards vary at different concentrations. In Part 3 entries with Note B ave 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 herwise stated, it is assumed that the percentage concentration is calculated on a eight/weight basis.
Creation of the safety data s UMCO GmbH Georg-Wilhelm-Str. 187, D-21 TeL: +49 40 / 555 546 300 F	
This information is based on o The safety data sheet describ	our present knowledge and experience. es products with a view to safety requirements. e 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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	2		edding -
Trade	<b>e name:</b> Textile marker i	ink (green) contained in: edding 4500, edd	ding 4600
Curren	<b>t version :</b> 4.0.0, issued: 11.02.20	Replaced version: 3.0.0, issued	: 10.11.2019 <b>Region:</b> GB
SEC	TION 1: Identification	of the substance/mixture and of the co	mpany/undertaking
1.1	Product identifier		
	Trade name		
	Textile marker ink	(green) contained in: edding 4500	0, edding 4600
1.2		s of the substance or mixture and uses adv	vised against
	Relevant identified uses Ink for use in felt pens	of the substance or mixture	
	<b>Uses advised against</b> 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 ( <b>Information provided by</b> +49 (0)4102 - 808-0	0) 41 02 / 80 8-0 / telephone	
	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	TION 2: Hazards ident	ification	
2.1	Classification of the su		
	Classification informatio		
	This product is assessed a (EC) n° 1272/2008:	nd classified using the methods and criteria below	referred to in Article 9 of Regulation
	Physical hazards: determir	ed through assessment data based on the method	ls or standards referred to in part 2 of
	Annex I to CLP Health hazards and enviror	nmental hazards: determined through toxicological	and ecotoxicological assessment data
	based on the methods or s	tandards referred to in Part 3, 4 and 5 of Annex I to t the classification criteria given in the Regulation (I	o CLP.
2.2	Label elements		
		Regulation (EC) No 1272/2008 (CLP Regula	ation)
	Hazard pictograms		
	- Signal word		
	- Hazard statement(s)		
L	- Hazard statements (EU) EUH208	Contains 1,2-benzisothiazol-3(2H)-one, reaction r isothiazolin-3-one [EC no. 247-500-7] and 2-meth 239-6] (3:1). May produce an allergic reaction.	
•	Precautionary statement		
	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	No Substance name		Additional 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	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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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; 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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## Trade name: Textile marker ink (green) contained in: edding 4500, edding 4600

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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	



# edding

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

Reference temperature		20	°C	
Boiling point / boiling range Value		82	°C	
Melting point/freezing point		02	C	
No data available				
Decomposition temperature				
No data available				
Flash point No data available				
Ignition temperature				
Value		400	°C	
Auto-ignition temperature				
Comments	Product is not	selfigniting.		
Flammability				
No data available				
<b>Lower explosion limit</b> Value		0.9	% vol	
		0.0	70 001	
Upper explosion limit No data available				
Vapour pressure				
Value		23	hPa	
Relative vapour density				
No data available				
Relative density				
No data available				
<b>Density</b> Value		1.05	g/cm <sup>3</sup>	
Reference temperature		20	°C	
Solubility in water				
Comments	Completely mis	scible		
Solubility				
No data available				
Partition coefficient n-octanol/water ( No data available	log value)			
Viscosity				
Value		5	mPa*s	
Reference temperature		20	°C	
Solids content Value		4.4	%	
		7.4	70	
Particle characteristics No data available				
Other information				
Other information				
No data available.				

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

Current version : 4.0.0, issued: 11.02.2021

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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**



# eddina

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

rrent version : 4.0.0, issu	ed: 11.02.2021	Replaced version: 3.0.0, issued: 10.11.2019	Region: GE
H332	Harmful if i	nhaled.	
H400	Very toxic t	o aquatic life.	
H410	Very toxic t	o aquatic life with long lasting effects.	
Notes relating t 1272/2008, Anno		lassification and labelling of substances and mixtures	((EC) No
В	various cor labelling sir have a gen supplier mu	stances (acids, bases, etc.) are placed on the market in aquincentrations and, therefore, these solutions require different nee the hazards vary at different concentrations. In Part 3 everal designation of the following type: 'nitric acid %'. In this state the percentage concentration of the solution on the stated, it is assumed that the percentage concentration is c ght basis.	t classification and entries with Note B his case the e label. Unless
UMCO GmbH Georg-Wilhelm-S	<b>safety data sheet</b> Str. 187, D-21107 Haml 5 546 300   Fax: +49 4	burg 0 / 555 546 357  e-mail: umco@umco.de	
The safety data s	sheet describes produc ver, constitute a guara	nt knowledge and experience. cts with a view to safety requirements. ntee for any specific product properties and shall not estab	lish a legally valid

## Alterations/supplements:

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			_			64973-3010	Page 28 of 43
<u></u> ₩6	P§	afet∳978at5P8N		IRKR		eddi	
						eddi	
Trac	de	name: Textile ma	rker ink (red) a	contained in: edding 4	500, edding 4600		
Curre	entv	version : 4.0.0, issued: 1	1.05.2021	Replaced version	: 3.0.0, issued: 06.05.202	1	Region: GB
OF	ОТ						
			tion of the su	bstance/mixture and	of the company/l	Indertaking	
1.1		Product identifier					
		Trade name			4500		
			. ,	ontained in: eddin	• • •		
1.2				ubstance or mixture an	d uses advised aga	ainst	
		Relevant identified Ink for use in felt pen	S	stance or mixture			
		Uses advised again No data available.	st				
1.3		Details of the supp	olier of the safe	ety data sheet			
		Address edding International (	SmbH				
		Bookkoppel 7	311011				
		D-22926 Ahrens	0				
		•	+49 (0) 41 02 / 8				
		Information provide +49 (0)4102 - 808-0		2			
		Advice on Safety Da sdb_info@umco.de	ata Sheet				
1.4		Emergency teleph For medical advice (i +49 (0)30 30686 790	n German and Er				
SE	ст	ION 2: Hazards i	dentification				
2.1		Classification of th	ne substance o	or mixture			
_		Classification inform	mation				
		This product does no	t meet the classif	ication and labelling criteria	given in the Regulation	n (EC) No 1272/20	008 (CLP).
2.2		Label elements Not relevant					
2.3		<b>Other hazards</b> No data available.					
SE	ст	ION 3: Composit	ion/informati	on on ingredients			
3.1		<b>Substances</b> Not applicable. The p	product is not a su	ıbstance.			
3.2		Mixtures					
		Chemical character	ization				
		Mixture (preparation)					
	No	Hazardous ingredie Substance name	nts		Additional i	nformation	
	10	CAS / EC / Index /	Classification (	EC) 1272/2008 (CLP)	Concentrati		%
_	1	REACH no pyridine-2-thiol 1-c		.it			
		3811-73-2	Acute Tox. 4; H		< 0.10	)	wt%
		223-296-5	Acute Tox. 3; H3	311			
		-	Acute Tox. 4; H3 Aquatic Acute 1				
			Eye Irrit. 2; H31	9			
			Skin Irrit. 2; H31	5			

**eddin** 

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

Current version : 4.0.0, issued: 11.05.2021

Replaced version: 3.0.0, issued: 06.05.2021

Region: GB

			Aquatic Chronic 2; H411 Skin Sens. 1; H317 STOT RE 1; H372i			
1	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	No Route, target organ, concrete effect						

1 H372

inhalational; central nervous system; -

## **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

### General information

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

#### After inhalation

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

After skin contact

Wash off immediately with soap and water.

#### After eye contact

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

#### After ingestion

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

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

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

# **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

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

# 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2); Nitrogen oxides (NOx)

# 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

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### For non-emergency personnel

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

For emergency responders

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

## 6.2 Environmental precautions

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

#### 6.3 Methods and material for containment and cleaning up

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

# 6.4 Reference to other sections

No data available.

# **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

#### Advice on safe handling

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

## General protective and hygiene measures

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

## Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

## 7.2 Conditions for safe storage, including any incompatibilities

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

# Recommended storage temperature

Value < 50 °C

## Requirements for storage rooms and vessels

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

## Incompatible products

Do not store together with: Alkalis; Acids

## 7.3 Specific end use(s)

No data available.

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

## Occupational exposure limit values

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

## 8.2 Exposure controls





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Region: GB

# Appropriate engineering controls

No data available.

## Personal protective equipment

## **Respiratory protection**

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

# Eye / face protection

Safety glasses with side protection shield (EN 166)

#### Hand protection

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

#### Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

# **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

State of aggregation liquid			
Form/Colour liquid red			
Odour odourless			
<b>pH value</b> Value Comments	6.5 undiluted	- 8.5	
Boiling point / boiling range Value		100	۵°C
Melting point/freezing point Value		0	٦°
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			



# edding®

# 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

Va	pour pressure			
No	data available			
Re	lative vapour density			
No	data available			
	lative density	1		
	lue ference temperature		1.05 20	°C
			20	5
	nsity data available			
	lubility in water			
_	mments	miscible		
So	lubility			
No	data available			
	rtition coefficient n-octanol/water (log valu	ue)		
No	data available			
	scosity		10.0	
	lue ference temperature		10.0 25	mPa*s °C
Ту		dynamic	-	
Pa	rticle characteristics			
No	data available			
.2	Other information			
	her information			
INC	data available.			
SEC.	TION 10: Stability and reactivity			
0.1	<b>Reactivity</b> No data available.			
0.2	Chemical stability Stable under recommended storage and ha	andling conditions (S	See sectio	on 7).
0.3	<b>Possibility of hazardous reactions</b> No data available.			
0.4	<b>Conditions to avoid</b> Temperatures > 50°C. Keep from freezing.			
0.5	Incompatible materials Alkalis; Acids			
0.6	Hazardous decomposition products None, if handled according to intended use.			
SEC	<b>TION 11: Toxicological information</b>			
1.1	Information on hazard classes as def	ined in Regulation	on (EC)	No 1272/2008
Ac	ute oral toxicity			
	data available			
	ute dermal toxicity			
I No	data available			

Acute inhalational toxicity

No data available





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

# 11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information

No data available.

# **SECTION 12: Ecological information**

## 12.1 Toxicity

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

# 12.2 Persistence and degradability No data available.

# **12.3 Bioaccumulative potential** No data available.

## 12.4 Mobility in soil

No data available.

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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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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)

000010110)	
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.

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GmbH. Prod-ID 636339

rt≭/ISC	Sartenshere	R	64973	3-4010 Page 25 of
20	Salety data sheet	· -		edding
Trad	e name: Textile marker ink (yellow) co	ontained in: edding	4500, edding 4600	
Currer	<b>t version :</b> 2.0.0, issued: 05.05.2021	Replaced version:	1.0.1, issued: 18.01.2017	Region: GB
SEC	TION 1: Identification of the substa	ance/mixture and o	of the company/unde	rtaking
1.1	Product identifier			
	Trade name			
	Textile marker ink (yellow) co	ontained in: edd	ling 4500, edding	4600
1.2	Relevant identified uses of the subst Relevant identified uses of the substand Ink for use in felt pens		l uses advised against	
	<b>Uses advised against</b> No data available.			
1.3	Details of the supplier of the safety of 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	<b>Emergency telephone number</b> For medical advice (in German and English +49 (0)30 30686 790 (Giftnotruf Berlin)	ו):		
SEC	TION 2: Hazards identification			
2.1	Classification of the substance or mi Classification information This product does not meet the classification		given in the Regulation (EC	C) No 1272/2008 (CLP).
2.2	Label elements Not relevant			
2.3	<b>Other hazards</b> No data available.			
SEC	TION 3: Composition/information of	on ingredients		
3.1	Substances Not applicable. The product is not a substa	ince.		
3.2	Mixtures			
	Chemical characterization Mixture (preparation)			
N	Hazardous ingredients o Substance name		Additional inform	action
	CAS / EC / Index / Classification (EC)	1272/2008 (CLP)	Concentration	%
1	REACH no           propane-1,2-diol			
	57-55-6 - 200-338-0 -		>= 5.00 - <	10.00 wt%
F	- Ill Text for all H-phrases and EUH-phrases: pl	ls. see section 16	I	
	: 64973-1009	Page 1 of 8		Page 36 of

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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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Region: GB

#### 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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edding

No data available.

**SECTION 9: Physical and chemical properties** 

State of aggregation							
liquid							
Form/Colour							
liquid							
yellow							
Odour							
odourless							
pH value							
Value	6.0	-	7.0				
Boiling point / boiling range Value	1		100	°C			
			100	U			
Melting point/freezing point	1						
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 hazard.							
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	aalubla						
Comments	soluble						
Solubility							
No data available							

edding

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

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Replaced version: 1.0.1, issued: 18.01.2017

Region: GB

N	lo data available	
	/iscosity /alue < 10 mPa*s	
	Reference temperature 25 °C	
	ype dynamic	
Ρ	Particle characteristics	
N	lo data available	
9.2	Other information	
-	Dther information	
N	lo data available.	
SEC	CTION 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 Keep from freezing. Temperatures > 50°C.	
10.5	Incompatible materials     Alkalis; Acids	
10.6	Hazardous decomposition products None, if handled according to intended use.	
ee(	CTION 44. Toxicological information	
	CTION 11: Toxicological information	
11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Α	Acute oral toxicity	
N	lo data available	
Α	Acute dermal toxicity	
N	lo data available	
Α	Acute inhalational toxicity	
N	lo data available	
S	Skin corrosion/irritation	
N	lo data available	
	Serious eye damage/irritation	
N	lo data available	
	Respiratory or skin sensitisation	
N	lo data available	
	Serm cell mutagenicity	
N	lo data available	
	Reproduction toxicity	
N	lo data available	
	Carcinogenicity	
N	lo data available	
	STOT - single exposure	
N	lo 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

Tourisity to Sish (south)
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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