

81910-8000

## EU safety data sheet

**Trade name:** edding Porcelain marker ink (brown) contained in: edding 4200**Current version :** 6.0.0, issued: 09.12.2021**Replaced version:** 5.0.0, issued: 05.08.2020**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****edding Porcelain marker ink (brown) contained in: edding 4200****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 in accordance with Regulation (EC) No 1272/2008 (CLP)**

Skin Sens. 1; H317

**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.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS07

**Signal word**

Warning

**Hazardous component(s) to be indicated on label:**

1,2-benzisothiazol-3(2H)-one

**Hazard statement(s)**

H317

May cause an allergic skin reaction.

**Hazard statements (EU)**

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EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1). May produce an allergic reaction.

**Precautionary statement(s)**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**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	Classification (EC) 1272/2008 (CLP)	Additional information Concentration	%
1	<b>ethanediol</b>			
	107-21-1 203-473-3 603-027-00-1 01-2119456816-28	Acute Tox. 4; H302 STOT RE 2; H373o	< 2.50	wt%
2	<b>ammonia</b>			
	1336-21-6 215-647-6 007-001-01-2 01-2119488876-14	Aquatic Acute 1; H400 Skin Corr. 1B; H314 STOT SE 3; H335	< 2.50	wt%
3	<b>ammonia</b>			
	1336-21-6 215-647-6 007-001-01-2 -	Aquatic Acute 1; H400 Skin Corr. 1B; H314 Eye Dam. 1; H318	< 0.50	wt%
4	<b>1,2-benzisothiazol-3(2H)-one</b>			
	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.10	wt%
5	<b>1,2-benzisothiazol-3(2H)-one</b>			
	2634-33-5 220-120-9 613-088-00-6 -	Acute Tox. 4*; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.05	wt%
6	<b>pyridine-2-thiol 1-oxide, sodium salt</b>			
	3811-73-2 223-296-5 - -	Acute Tox. 4; H302 Acute Tox. 3; H311 Acute Tox. 4; H332 Aquatic Acute 1; H400 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Aquatic Chronic 2; H411	< 0.10	wt%

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		Skin Sens. 1; H317 STOT RE 1; H372i		
7	<b>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b>			
	55965-84-9 - 613-167-00-5 -	Acute Tox. 2; H310 Acute Tox. 2; H330 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	< 0.0015	wt%
8	<b>glycerol</b>			
	56-81-5 200-289-5 - -	-	< 5.00	wt%

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

(\* , \*\* , \*\*\* , \*\*\*\* ) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	B	Skin Irrit. 2; H315: C >= 1% Aquatic Chronic 3; H412: C >= 2.5% STOT SE 3; H335: C >= 5%	-	-
3	-	STOT SE 3; H335: C >= 5%	-	-
4	-	Skin Sens. 1; H317: C >= 0.05%	M = 10	-
5	-	Skin Sens. 1; H317: C >= 0.05%	-	-
6	-	-	M = 100	-
7	B	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)".

No	Route, target organ, concrete effect
1	H373 oral; kidneys; -
6	H372 inhalational; central nervous system; -

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
2	350 mg/kg bodyweight		

### 3.3 Other information

The data subject of this Material Safety Data sheet refer to the ink contained in this product (marker).

## 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

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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. Do not induce vomiting. 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**

Alcohol-resistant foam; Extinguishing powder; Carbon dioxide; 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 dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet.

**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.

**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. Do not inhale vapours. Clean skin thoroughly after work; apply skin cream.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**

## EU safety data sheet



**Trade name:** edding Porcelain marker ink (brown) contained in: edding 4200

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Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

**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**

**Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	glycerol	56-81-5	200-289-5
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Glycerol mist			
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
2	ethanediol	107-21-1	203-473-3
2000/39/EC			
Ethylene glycol			
	WEL short-term (15 min reference period)	104	mg/m <sup>3</sup> 40 ppm
	WEL long-term (8-hr TWA reference period)	52	mg/m <sup>3</sup> 20 ppm
	Skin resorption / sensibilisation	Skin	
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Ethane-1,2-diol vapour			
	WEL short-term (15 min reference period)	104	mg/m <sup>3</sup> 40 ppm
	WEL long-term (8-hr TWA reference period)	52	mg/m <sup>3</sup> 20 ppm
	Comments	Sk	
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Ethane-1,2-diol particulate			
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
	Comments	Sk	

**DNEL, DMEL and PNEC values**

**DNEL values (worker)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	ethanediol	107-21-1 203-473-3		
	dermal	Long term (chronic)	systemic	106 mg/kg/day
	inhalative	Long term (chronic)	local	35 mg/m <sup>3</sup>
2	ammonia	1336-21-6 215-647-6		
	dermal	Short term (acute)	systemic	6.8 mg/kg/day
	with reference to: CAS 7664-41-7			
	dermal	Long term (chronic)	systemic	6.8 mg/kg/day
	with reference to: CAS 7664-41-7			
	inhalative	Short term (acute)	systemic	47.6 mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7			
	inhalative	Short term (acute)	local	36 mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7			
	inhalative	Long term (chronic)	systemic	47.6 mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7			
	inhalative	Long term (chronic)	local	14 mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7			

**DNEL value (consumer)**

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**Current version :** 6.0.0, issued: 09.12.2021

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**Region:** GB

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	Route of exposure	Exposure time	Effect	Value	
1	<b>ethanediol</b>			<b>107-21-1</b> <b>203-473-3</b>	
	dermal	Long term (chronic)	systemic	53	mg/kg/day
	inhalative	Long term (chronic)	local	7	mg/m <sup>3</sup>
2	<b>ammonia</b>			<b>1336-21-6</b> <b>215-647-6</b>	
	oral	Short term (acute)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	oral	Long term (chronic)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	dermal	Short term (acute)	systemic	68	mg/kg/day
	with reference to: CAS 7664-41-7				
	dermal	Long term (chronic)	systemic	68	mg/kg/day
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acute)	systemic	23.8	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acute)	local	7.2	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
	inhalative	Long term (chronic)	systemic	23.8	mg/m <sup>3</sup>
	with reference to: CAS 7664-41-7				
inhalative	Long term (chronic)	local	2.8	mg/m <sup>3</sup>	
with reference to: CAS 7664-41-7					

**PNEC values**

No	Substance name		CAS / EC no		
	ecological compartment	Type	Value		
1	<b>ethanediol</b>		<b>107-21-1</b> <b>203-473-3</b>		
	water	fresh water	10	mg/L	
	water	marine water	1	mg/L	
	water	Aqua intermittent	10	mg/L	
	water	fresh water sediment	37	mg/kg dry weight	
	water	marine water sediment	3.7	mg/kg dry weight	
	soil	-	1.53	mg/kg dry weight	
	sewage treatment plant	-	199.5	mg/L	
2	<b>ammonia</b>		<b>1336-21-6</b> <b>215-647-6</b>		
	water	fresh water	0.0011	mg/L	
	with reference to: CAS: 7664-41-7				
	water	marine water	0.0011	mg/L	
	with reference to: CAS: 7664-41-7				
water	Aqua intermittent	0.0068	mg/L		
with reference to: CAS: 7664-41-7					

**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)

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**Region:** GB

**Hand protection**

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

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	liquid
<b>Form/Colour</b>	liquid brown
<b>Odour</b>	characteristic
<b>pH value</b>	No data available
<b>Boiling point / boiling range</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flash point</b>	No data available
<b>Ignition temperature</b>	No data available
<b>Flammability</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	No data available
<b>Solubility</b>	

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**Replaced version:** 5.0.0, issued: 05.08.2020

**Region:** GB

No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
log Pow		-1.36	
Reference temperature		25	°C
Source		ECHA	
Viscosity			
No data available			
Particle characteristics			
No data available			

## 9.2 Other information

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

Heat, naked flames and other ignition sources.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

No data available.

## SECTION 11: Toxicological information

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	edding Porcelain marker ink (brown) contained in: edding 4200
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	ammonia	1336-21-6	215-647-6
LD50		350	mg/kg bodyweight
Species with reference to Method		rat	
Source		CAS 7664-41-7 OECD 401 ECHA	

Acute dermal toxicity	
No data available	



## EU safety data sheet



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**Current version :** 6.0.0, issued: 09.12.2021

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**Region:** GB

<b>Acute inhalational toxicity</b>			
No data available			
<b>Skin corrosion/irritation</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Duration of exposure		20	h
Species		rabbit	
Source		ECHA	
Evaluation		non-irritant	
2	ammonia	1336-21-6	215-647-6
Duration of exposure		4	h
Species		rabbit	
with reference to		CAS 7664-41-7	
Method		OECD 404	
Source		ECHA	
Evaluation		corrosive	
<b>Serious eye damage/irritation</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Duration of exposure		24	h
Species		rabbit	
Source		ECHA	
Evaluation		non-irritant	
<b>Respiratory or skin sensitisation</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Route of exposure		Skin	
Species		guinea pig	
Source		ECHA	
Evaluation		non-sensitizing	
<b>Germ cell mutagenicity</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Type of examination		Bacterial Reverse Mutation Test	
Species		Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	ammonia	1336-21-6	215-647-6
Duration of exposure		48	h
Type of examination		Bacterial Reverse Mutation Test	
Species		Salmonella typhimurium TA98, TA100, TA1535, TA1537	
with reference to		CAS 7664-41-7	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Reproduction toxicity</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Source		ECHA	

## EU safety data sheet



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**Region:** GB

Evaluation/classification	Based on available data, the classification criteria are not met.
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<b>STOT - single exposure</b>
No data available

<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Route of exposure		oral	
NOAEL		150	mg/kg bw/d
Duration of exposure		12	months
Species		rat	
Target organ		kidneys	
Method		OECD 452	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	

<b>Aspiration hazard</b>
No data available

### 11.2 Information on other hazards

**Endocrine disrupting properties**

No data available.

**Other information**

Exercise customary precautions when handling chemicals.

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
LC50		>	72860 mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Source		ECHA	

<b>Toxicity to fish (chronic)</b>
No data available

<b>Toxicity to Daphnia (acute)</b>			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
EC50		>	100 mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Method		OECD 202	
Source		ECHA	

<b>Toxicity to Daphnia (chronic)</b>
No data available

<b>Toxicity to algae (acute)</b>
No data available

<b>Toxicity to algae (chronic)</b>
No data available

<b>Bacteria toxicity</b>
No data available

### 12.2 Persistence and degradability

<b>Biodegradability</b>
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## EU safety data sheet



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**Region:** GB

No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
Type		DOC decrease	
Value	90	- 100	%
Duration		10	day(s)
Method	OECD 301 A		
Source	ECHA		
Evaluation	readily biodegradable		

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
log Pow		-1.36	
Reference temperature		25	°C
Source		ECHA	

### 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

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.

## EU safety data sheet



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**Replaced version:** 5.0.0, issued: 05.08.2020

**Region:** GB

#### 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**

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No 3

##### **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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H372i	Causes damage to organs through prolonged or repeated exposure if inhaled.
H373o	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

#### 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 solutions at

## EU safety data sheet



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**Trade name:** edding Porcelain marker ink (brown) contained in: edding 4200

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

**Creation of the safety data sheet**

UMCO GmbH

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

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

This information is based on our present knowledge and experience.

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

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

**Alterations/supplements:**

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

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