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

#### 1.1 **Product identifier**

Trade name

## edding neon board marker ink (neon blue), contained in: edding 725

#### 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.

#### Details of the supplier of the safety data sheet 1.3

#### **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

### **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)

Eye Irrit. 2; H319 Flam. Liq. 2; H225

#### **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**







Signal word

Danger

#### Hazard statement(s)

H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.

Precautionary statement(s)



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P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smokina.

P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.

P501 Dispose of contents/container to a facility in accordance with local and national

regulations

#### Labelling information

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

## 2.3 Other hazards

No data available.

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

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

#### **Chemical characterization**

Mixture (preparation)

**Hazardous ingredients** 

No	Substance name		Additional information	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentration	%
	REACH no			
1	ethanol			
	64-17-5	Flam. Liq. 2; H225	20.00 - 30.00	wt%
	200-578-6			
	603-002-00-5			
	01-2119457610-43			
2	propan-2-ol			
	67-63-0	Eye Irrit. 2; H319	1.00 - 5.00	wt%
	200-661-7	Flam. Liq. 2; H225		
	603-117-00-0	STOT SE 3; H336		
	-			
3	propan-1-ol			
	71-23-8	Eye Dam. 1; H318	1.00 - 5.00	wt%
	200-746-9	Flam. Liq. 2; H225		
	603-003-00-0	STOT SE 3; H336		
	-			
4	styrene			
	100-42-5	Acute Tox. 4*; H332	0.10 - 1.00	wt%
	202-851-5	Eye Irrit. 2; H319		
	601-026-00-0	Flam. Liq. 3; H226		
	-	Repr. 2; H361d		
		Skin Irrit. 2; H315		
		STOT RE 1; H372		
5		,20-diazaporphyrinephthalocyanine (C.I.Pigment		
	#74160 Blue 15:3)			
	147-14-8	-	< 2.50	wt%
	205-685-1			
	-			
	-			
	T (	1 = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

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	Route, target organ, concrete effect
4	H372



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-; hearing organs; -

## 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

Ensure supply of fresh air.

#### After skin contact

Wash off immediately with soap and water.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

## After ingestion

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

## 4.2 Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam; Carbon dioxide; Dry chemical extinguisher; 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 (CO2); Carbon monoxide (CO)

#### 5.3 Advice for firefighters

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

## 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). When collected, handle material as described under the section heading "Disposal considerations".

#### 6.4 Reference to other sections

No data available.



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## **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). Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

#### 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. Wash hands before breaks and after work. Do not inhale vapours. Provide eye wash fountain in work area.

## Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

## 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. Protect from heat and direct sunlight.

#### Requirements for storage rooms and vessels

Store product in closed containers.

#### Incompatible products

None known

#### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

## Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	ethanol	64-17-5		200-578-6	
	List of approved workplace exposure limits (WELs)	) / EH40			
	Ethanol				
	WEL long-term (8-hr TWA reference period)	1920	mg/m³	1000	ppm
2	propan-2-ol	67-63-0		200-661-7	
	List of approved workplace exposure limits (WELs)	) / EH40			
	Propan-2-ol				
	WEL short-term (15 min reference period)	1250	mg/m³	500	ppm
	WEL long-term (8-hr TWA reference period)	999	mg/m³	400	ppm
3	propan-1-ol	71-23-8		200-746-9	
	List of approved workplace exposure limits (WELs)	) / EH40			
	Propan-1-ol				
	WEL short-term (15 min reference period)	625	mg/m³	250	ppm
	WEL long-term (8-hr TWA reference period)	500	mg/m³	200	ppm
	Comments	Sk			
4	Tetrabenzo-5,10,15,20- diazaporphyrinephthalocyanine (C.I.Pigment #7416 Blue 15:3)	147-14-8 0		205-685-1	
	List of approved workplace exposure limits (WELS	) / EH40			
	Copper and compounds (as Cu) dusts and mists				
	WEL short-term (15 min reference period)	2	mg/m³		
	WEL long-term (8-hr TWA reference period)	1	mg/m³		
5	styrene	100-42-5		202-851-5	
	List of approved workplace exposure limits (WELs)	) / EH40			
	Styrene				



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WEL short-term (15 min reference period)	1080	mg/m³	250	ppm
WEL long-term (8-hr TWA reference period)	430	mg/m³	100	ppm

## **DNEL, DMEL and PNEC values**

#### **DNEL** values (worker)

No	Substance name	substance name			
	Route of exposure		Value		
1	ethanol			64-17-5	
				200-578-6	
	dermal	Long term (chronic)	systemic	343	mg/kg/day
	inhalative	Long term (chronic)	systemic	950	mg/m³

#### **DNEL value (consumer)**

No	Substance name			CAS / EC	no
	Route of exposure	Exposure time	Effect	Value	
1	ethanol			64-17-5	
				200-578-	6
	oral	Long term (chronic)	systemic	87	mg/kg/day
	dermal	Long term (chronic)	systemic	206	mg/kg/day
	inhalative	Short term (acut)	local	950	mg/m³
	inhalative	Long term (chronic)	systemic	114	mg/m³

#### **PNEC values**

No	Substance name		CAS / EC no	
	ecological compartment	Туре	Value	
1	ethanol		64-17-5	
			200-578-6	
	water	fresh water	0.96	mg/L
	water	marine water	0.79	mg/L
	water	fresh water sediment	3.6	mg/kg
	with reference to: dry weight			
	water	Aqua intermittent	2.75	mg/L
	water	marine water sediment	2.9	mg/kg
	with reference to: dry weight			
	soil	-	0.63	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	580	mg/L
	secondary poisoning	-	0.38	g/kg
	with reference to: food	·		·

## 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



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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 weak; characteristic			
pH value No data available			
Boiling point / boiling range			
Value		78	°C
Melting point/freezing point No data available			
Decomposition temperature			
No data available			
Flash point Value		12	°C
Ignition temperature			-
No data available			
Flammability			
No data available			
Value		2.00	% vol
Upper explosion limit			
Value		19.00	% vol
Vapour pressure		10	
Value Reference temperature		10 28	mm Hg °C
Relative vapour density No data available			
Relative density			
No data available			
Density			
Value		0.87	g/cm³
Solubility in water Comments	soluble		
	Journe		
Solubility No data available			
Partition coefficient n-octanol/water (log v	alue)		
No data available			
Viscosity			



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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

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

### 10.4 Conditions to avoid

Heat; Moisture.

## 10.5 Incompatible materials

None known.

## 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## **SECTION 11: Toxicological information**

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

Acu	te oral toxicity				
No	Substance name		CAS no.		EC no.
1	ethanol		64-17-5		200-578-6
LD5	0			10740	mg/kg bodyweight
Spec	cies	rat			
Meth	nod	OECD 401			
Soul	rce	ECHA			
2	propan-2-ol		67-63-0		200-661-7
LD5	0			5280	mg/kg bodyweight
Spec	cies	rat			
Soul	rce	Manufacturer			
3	propan-1-ol		71-23-8		200-746-9
LD5	0			8000	mg/kg bodyweight
Spec	cies	rat			
Sour	rce	Manufacturer			

Acu	te dermal toxicity			
No	Substance name	CAS no.		EC no.
1	propan-2-ol	67-63-0		200-661-7
LD5	0		12800	mg/kg bodyweight
Spe	cies	rabbit		
Soul	rce	Manufacturer		
2	propan-1-ol	71-23-8		200-746-9
LD5	0		4000	mg/kg bodyweight
Spe	cies	rabbit		
Soul	rce	Manufacturer		

Acu	te inhalational toxicity		
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6



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124.7 mg/l
12 111 111g/1
4 h
mist
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4
67-63-0 200-661-7
72.6 mg/l
4 h
ur
facturer
71-23-8 200-746-9
33.8 mg/l
4 h
ur
D 403
4

Skin corrosion/irritation
No data available

# Serious eye damage/irritation No data available

Res	Respiratory or skin sensitisation				
No Substance name		CAS no.	EC no.		
1	ethanol	64-17-5	200-578-6		
Route of exposure		Skin			
Species		mouse			
Method		OECD 429			
Source		ECHA			
Evaluation		non-sensitizing			

Ger	m cell mutagenicity		
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Sou	rce	ECHA	
Evaluation/classification E		Based on available data, the classificatio	n criteria are not met.

Rep	Reproduction toxicity					
No	Substance name	CAS no.	EC no.			
1	ethanol	64-17-5	200-578-6			
Source		ECHA				
Evaluation/classification		Based on available data, the class	sification criteria are not met.			

Car	Carcinogenicity				
No	Substance name	CAS no.	EC no.		
1	ethanol	64-17-5	200-578-6		
Source Evaluation/classification		ECHA			
		Based on available data, the cla	ssification criteria are not met.		

STOT - single exposure	
No data available	

STOT - repeated exposure
No data available

Aspiration hazard	
No data available	

# Delayed and immediate effects as well as chronic effects from short and long-term exposure Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye



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contact with the product may lead to irritation. Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness.

#### 11.2 Information on other hazards

**Endocrine disrupting properties** 

No data available.

Other information

No data available.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

Toxi	Toxicity to fish (acute)				
No	Substance name	CAS no.	EC no.		
1	ethanol	64-17-5	200-578-6		
LC5	0	> 14	000 mg/l		
Dura	ation of exposure	96	h		
Species		Pimephales promelas			
Meth	nod	EPA E03-05			
Soul	ce	ECHA			
Eval	uation/classification	Based on available data, the class	ssification criteria are not met.		
2	propan-2-ol	67-63-0	200-661-7		
LC5	0	96	40 mg/l		
Dura	ation of exposure	96	h		
Spe	cies	Pimephales promelas			
Soul	ce	Manufacturer			

## **Toxicity to fish (chronic)**

No data available

Toxi	city to Daphnia (acute)			
No Substance name		CAS no.		EC no.
1	propan-2-ol	67-63-0		200-661-7
EC50			13299	mg/l
Duration of exposure			48	h
Species		Daphnia magna		
Source		Manufacturer		

## Toxicity to Daphnia (chronic)

No data available

Toxi	icity to algae (acute)				
No Substance name		CA	CAS no.		
1	propan-2-ol	67-	63-0	200-661-7	
EC5	0	>	1000	mg/l	
Duration of exposure			72	h	
Species		Desmodesmus si	ubspicatus		
Source		Manufacturer			

## Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

Biod	degradability		
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Valu	e	95	%
Duration		21	day(s)

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Method	OECD 301 E
 Source	Manufacturer
Evaluation	readily biodegradable

#### 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

Ecological data are not available.

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

Class 3 Classification code F1 Packing group Ш Hazard identification no. 33 **UN** number UN1263 Proper shipping name **PAINT** Special Provision 640 640D Tunnel restriction code D/E Label 3

#### 14.2 Transport IMDG

Class 3
Packing group II
UN number UN1263
Proper shipping name PAINT
EmS F-E, S-E
Label 3

#### 14.3 Transport ICAO-TI / IATA

Class 3
Packing group II
UN number UN1263
Proper shipping name Paint
Label 3



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#### 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

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

No 3, 40 XVII.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances		
This product is subject to Part I of Annex I, risk category:	P5b	

## 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)

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

#### 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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