

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding boardmarker ink (brown) contained in: edding 361**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture**

Refill ink

**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)**

Eye Dam. 1; H318

Flam. Liq. 3; H226

STOT SE 3; H336

**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**



GHS02



GHS05



GHS07

**Signal word**

Danger

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

propan-1-ol

**Hazard statement(s)**

H226

Flammable liquid and vapour.

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
<b>Precautionary statement(s)</b>	
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 smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P370+P378	In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
P405	Store locked up.
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

Alcoholic solution of organic pigments, binding agents and additives.

#### Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	<b>propan-1-ol</b>		
	71-23-8 200-746-9 603-003-00-0 -	Eye Dam. 1; H318 Flam. Liq. 2; H225 STOT SE 3; H336	< 100.00 wt%
2	<b>ethanol</b>		<b>pls. refer to footnote (1)</b>
	64-17-5 200-578-6 603-002-00-5 -	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 5.00 - < 10.00 wt%

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

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Eye Irrit. 2; H319: C >= 50%	-	-

### 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.

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

**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**

Do not induce vomiting. 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; 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**

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Suppress gases/vapours/mists 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. Ensure adequate ventilation. Keep away from ignition sources.

**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. 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**

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

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.

**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**

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	propan-1-ol	71-23-8	200-746-9
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
	Propan-1-ol		
	WEL short-term (15 min reference period)	625	mg/m <sup>3</sup> 250 ppm
	WEL long-term (8-hr TWA reference period)	500	mg/m <sup>3</sup> 200 ppm
	Comments	Sk	
2	ethanol	64-17-5	200-578-6
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
	Ethanol		
	WEL long-term (8-hr TWA reference period)	1920	mg/m <sup>3</sup> 1000 ppm

**8.2 Exposure controls**

**Appropriate engineering controls**

No data available.

**Personal protective equipment**

**Respiratory protection**

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

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

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

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties**

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

**9.1 Information on basic physical and chemical properties**

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
brown	
<b>Odour</b>	
characteristic	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	96 °C
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
Value	23 °C
<b>Ignition temperature</b>	
Value	360 °C
<b>Auto-ignition temperature</b>	
Comments	Product is not selfigniting.
<b>Explosive properties</b>	
The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use.	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
Value	2.1 % vol
<b>Upper explosion limit</b>	
Value	13.5 % vol
<b>Vapour pressure</b>	
Value	19 hPa
Reference temperature	20 °C
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	0.85 g/cm <sup>3</sup>
Reference temperature	20 °C
<b>Solubility in water</b>	
Comments	partially miscible
<b>Solubility</b>	
No data available	
<b>Partition coefficient n-octanol/water (log value)</b>	

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

No data available
-------------------

Kinematic viscosity		
Value	6	mPa*s
Reference temperature	20	°C
Type	dynamic	

Solvent content		
Value	82.7	%

Solids content		
Value	4.4	%

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

No data available.

### 10.5 Incompatible materials

No data available.

### 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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
LD50		8000	mg/kg bodyweight
Species	rat		
Source	Manufacturer		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
LD50		4000	mg/kg bodyweight
Species	rabbit		
Source	Manufacturer		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
LC50		>	33.8 mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

Method Source	OECD 403 ECHA
<b>Skin corrosion/irritation</b>	
No data available	
<b>Serious eye damage/irritation</b>	
No data available	
<b>Respiratory or skin sensitisation</b>	
No data available	
<b>Germ cell mutagenicity</b>	
No data available	
<b>Reproduction toxicity</b>	
No data available	
<b>Carcinogenicity</b>	
No data available	
<b>STOT - single exposure</b>	
No data available	
<b>STOT - repeated exposure</b>	
No data available	
<b>Aspiration hazard</b>	
No data available	
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	
Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may lead to irritation.	

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

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

No data available.

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

### 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

Class	3
Classification code	F1
Packing group	III
Hazard identification no.	30
UN number	UN1263
Proper shipping name	PAINT
Tunnel restriction code	D/E
Label	3

### 14.2 Transport IMDG

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

### 14.3 Transport ICAO-TI / IATA

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

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

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



**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

#### 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 XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	propan-1-ol	71-23-8	200-746-9	75

###### **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: P5c

#### 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)**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

#### **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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

---

**Trade name:** edding boardmarker ink (brown) contained in: edding 361

**Current version :** 3.0.1, issued: 27.10.2022

**Replaced version:** 3.0.0, issued: 23.10.2015

**Region:** GB

---

Prod-ID      633026