

Trade name: edding 725 neon board marker, yellow

Version: 1.0.0 / GB

Status: 10.06.2008

1.) Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name

edding 725 neon board marker, yellow

Use of the substance/preparation

Ink for use in drawliners

Company/undertaking identification

Address

edding Aktiengesellschaft
Bookkoppel 7
D-22926 Ahrensburg

Telephone no. +49 (0) 41 02 / 80 8-0

Information provided by / telephone

+49 (0)4102 - 808-0

Emergency telephone

+49 (0)30 192 40 (Toxic Substance Emergency Call Centre Berlin)

Advice on Safety Data Sheet

sdb_info@umco.de

2.) Hazards identification

Classification

F; R11	Highly flammable.
T; R23	Toxic by inhalation.
Xn; R22	Harmful if swallowed.
Xi; R41	Risk of serious damage to eyes.
N; R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard symbols

F	Highly flammable
T	Toxic
N	Dangerous for the environment

R phrases

11	Highly flammable.
22	Harmful if swallowed.
23	Toxic by inhalation.
41	Risk of serious damage to eyes.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3.) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

ETHANOL

EC no.	200-578-6	Index no.	603-002-00-5	CAS no.	64-17-5
Concentration	> 10	<	30	%-b.w.	
Classification	F; R11				
Hazard symbols	F	R phrases	11		

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PROPAN-1-OL

EC no.	200-746-9	Index no.	603-003-00-0	CAS no.	71-23-8
Concentration	> 5	< 10	%-b.w.		
Classification	F; R11	Xi; R41	R67		
Hazard symbols	F, Xi	R phrases	11-41-67		

PROPAN-2-OL

EC no.	200-661-7	Index no.	603-117-00-0	CAS no.	67-63-0
Concentration	> 5	< 10	%-b.w.		
Classification	F; R11	Xi; R36	R67		
Hazard symbols	F, Xi	R phrases	11-36-67		

3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7 dimethylxanthylum chloride

C.I. Basic Red. 1:1

EC no.	221-326-1	Index no.	-	CAS no.	3068-39-1
Concentration	> 1	< 5	%-b.w.		
Classification	Xn; R22	Xi; R41	N; R51/53		
Hazard symbols	Xn, N	R phrases	22-41-51/53		

3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylum tetrachlorozincate, C.I. Basic Violet 11:1

EC no.	277-459-0	Index no.	-	CAS no.	73398-89-7
Concentration	> 10	< 30	%-b.w.		
Classification	T; R23	Xn; R22	Xi; R41	N; R51/53	
Hazard symbols	T, N	R phrases	22-23-41-51/53		

Other information (chapter 3.)

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

4.) 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. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an oculist.

After ingestion

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

5.) Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam; Carbon dioxide; Dry chemical extinguisher; Water spray jet

Extinguishing media that must not be used for safety reasons

Full water jet

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Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In the event of fire, the following can be released:

- Carbon dioxide (CO₂)
- Carbon monoxide (CO)

Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet.

6.) Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up/taking up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

7.) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art.

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.

Storage

Requirements for storage rooms and vessels

Store product in closed containers.

Advice on storage assembly

None known

Further information on storage conditions

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

8.) Exposure controls / personal protection

Exposure limit values

ETHANOL

CAS no.	64-17-5
EC no.	200-578-6

Occupational Exposure Standards (OESs) / EH40

Ethanol				
TWA	1920	mg/m ³	1000	ml/m ³

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PROPAN-1-OL

CAS no. 71-23-8
 EC no. 200-746-9

Occupational Exposure Standards (OESs) / EH40

Propan-1-ol

TWA	500	mg/m ³	200	ml/m ³
STEL	625	mg/m ³	250	ml/m ³
Skin resorption / sensibilisation	Sk			

PROPAN-2-OL

CAS no. 67-63-0
 EC no. 200-661-7

Occupational Exposure Standards (OESs) / EH40

Propan-2-ol

TWA	999	mg/m ³	400	ml/m ³
STEL	1250	mg/m ³	500	ml/m ³

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.

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 glove 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.

Eye protection

Safety glasses with side protection shield (EN 166)

Skin protection

Clothing as usual in the chemical industry.

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. Have eye wash fountain available.

9.) Physical and chemical properties

General information

Form	liquid
Colour	yellow
Odour	weak; characteristic

Important health, safety and environmental information

Changes in physical state

Type	Boiling point		
Value		78	°C

Flash point

Value	12	°C
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Explosion limits

Upper explosion limit	19,00	% vol
Lower explosion limit	2,00	% vol

Vapour pressure

Value	10	mm Hg
Reference temperature	28	°C

Density

Value	0,87	g/cm ³
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Solubility in water

Remarks soluble

10.) Stability and reactivity

Conditions to avoid

Heat; Moisture

Materials to avoid

None known

Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Experience in practice

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.

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness.

Other information (chapter 11.)

Product specific toxicological data are not known.

12.) Ecological information

Other adverse effects

Ecological data are not available.

Do not discharge product unmonitored into the environment.

13.) Disposal considerations

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

Residuals 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.

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14.) Transport information

Land transport ADR/RID

Class	3	Classification code	FT1
Packaging group	II		
Hazard id. no.	336		
Label	3+6.1		
UN number	1992		
Technical name	Flammable liquid, toxic, n.o.s.		
Danger releasing substance	ETHANOL 3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylium tetrachlorozincate, C.I. Basic Violet 11:1		

Marine transport IMDG

Class	3
Subsidiary-hazard	6.1
Packaging group	II
UN number	1992
Proper shipping name	Flammable liquid, toxic, n.o.s.
Danger releasing substance	ETHANOL 3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylium tetrachlorozincate, C.I. Basic Violet 11:1
EmS	F-E,S-D
MARPOL	P
Label	3+6.1

Air transport ICAO/IATA

Class	3
Subsidiary-hazard	6.1
Packaging group	II
UN number	1992
Proper shipping name	Flammable liquid, toxic, n.o.s.
Danger releasing substance	ETHANOL 3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylium tetrachlorozincate, C.I. Basic Violet 11:1
Label	3+6.1

15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC Directive 1999/45/EC.

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

Hazard symbols

F	Highly flammable
T	Toxic
N	Dangerous for the environment

Hazardous component(s) to be indicated on label, contains:

3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]xanthylium
tetrachlorozincate, C.I. Basic Violet 11:1

R phrases

11	Highly flammable.
22	Harmful if swallowed.
23	Toxic by inhalation.
41	Risk of serious damage to eyes.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

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environment.

S phrases

- | | |
|-------|---|
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 37/39 | Wear suitable gloves and eye/face protection. |
| 45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| 61 | Avoid release to the environment. Refer to special instructions / Safety data sheets. |

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 2, category 2

16.) Other information**Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.
Regulation (EC) No 1907/2006 (REACH) as amended in each case.
EC Directives 2000/39/EC, 2006/15/EC as amended in each case.
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 chapter.

Relevant R-phrases (chapter 3):

- | | |
|-------|---|
| 11 | Highly flammable. |
| 22 | Harmful if swallowed. |
| 23 | Toxic by inhalation. |
| 36 | Irritating to eyes. |
| 41 | Risk of serious damage to eyes. |
| 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 67 | Vapours may cause drowsiness and dizziness. |

Department issuing safety data sheet

UMCO Umwelt Consult GmbH
Georg-Wilhelm-Str. 183 b, D-21107 Hamburg
Tel.: +49 40 / 41 92 13 00 Fax: +49 40 / 41 92 13 57 e-mail: umco@umco.de

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.