

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009

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

Identification of the substance or preparation

Trade name

edding 8850 Carpenter Pen

Use of the substance/preparation

Refilling ink

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
Muta.Cat.3; R68	Possible risks of irreversible effects.
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.
R67	Vapours may cause drowsiness and dizziness.

Hazard symbols

F	Highly flammable
Xn	Harmful
N	Dangerous for the environment

R phrases

11	Highly flammable.
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.
68	Possible risks of irreversible effects.

3.) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

1-METHOXY-2-PROPANOL

EC no.	203-539-1	Index no.	603-064-00-3	CAS no.	107-98-2
Concentration	> 10	<	25	%-b.w.	
Classification	R10				
Hazard symbols	-	R phrases	10		

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009

PROPAN-1-OL

EC no.	200-746-9	Index no.	603-003-00-0	CAS no.	71-23-8
Concentration	> 50	< 100	%-b.w.		
Classification	F; R11	Xi; R41	R67		
Hazard symbols	F, Xi	R phrases	11-41-67		

alpha,alpha-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1 methanol, C.I. Solvent Blue 4

EC no.	229-851-8	Index no.	-	CAS no.	6786-83-0
Concentration	< 2,5		%-b.w.		
Classification	Xn; R22	N; R50/53			
Hazard symbols	Xn, N	R phrases	22-50/53		

C.I. Solvent Violet 8

EC no.	-	Index no.	-	CAS no.	52080-58-7
Concentration	< 2,5		%-b.w.		
Classification	Xn; R22	Xi; R41	N; R50/53		
Hazard symbols	Xn, N	R phrases	22-41-50/53		

4-(phenylazo)benzene-1,3-diamine

EC no.	207-803-7	Index no.	611-151-00-2	CAS no.	495-54-5
Concentration	< 2,5		%-b.w.		
Classification	Muta.Cat.3; R68	Xn; R22	Xi; R38	N; R50/53	
Hazard symbols	Xn, N	R phrases	22-38-50/53-68		

Phosphoric acid, mono- and bis(2-ethylhexyl) esters

EC no.	291-933-4	Index no.	-	CAS no.	90506-69-7
Concentration	> 1	< 5	%-b.w.		
Classification	C; R34	Xn; R22			
Hazard symbols	C	R phrases	22-34		

C.I. Solvent Black 7

EC no.	309-912-6	Index no.	-	CAS no.	8005-02-5
Concentration	< 2,5		%-b.w.		
Classification	Xn; R48/20/21/22				
Hazard symbols	Xn	R phrases	48/20/21/22		

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.

After skin contact

Wash off immediately with soap and water. Do NOT use solvents or thinners !

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

extinguishing powder; Carbon dioxide; Sand

Extinguishing media that must not be used for safety reasons

Water

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009

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.

Ensure adequate ventilation. Keep away sources of ignition.

Environmental precautions

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

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). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. 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.

Storage**Requirements for storage rooms and vessels**

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

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.

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009

8.) Exposure controls / personal protection

Exposure limit values

1-METHOXY-2-PROPANOL

CAS no. 107-98-2
 EC no. 203-539-1

2000/39/EWG

1-Methoxypropanol-2

TWA	375	mg/m ³	100	ml/m ³
STEL	568	mg/m ³	150	ml/m ³
Skin resorption / sensibilisation	Skin			

Occupational Exposure Standards (OESs) / EH40

1-Methoxypropan-2-ol

TWA	375	mg/m ³	100	ml/m ³
STEL	560	mg/m ³	150	ml/m ³
Skin resorption / sensibilisation	Sk			

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			

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

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009

9.) Physical and chemical properties

General information

Form	liquid
Colour	black
Odour	characteristic

Important health, safety and environmental information

Changes in physical state

Type	Boiling point		
Value		78	°C

Flash point

Value	13	°C
-------	----	----

Ignition temperature

Value	287	°C
-------	-----	----

Explosion limits

Upper explosion limit	13,5	% vol
Lower explosion limit	1,7	% vol

Vapour pressure

Value	19	hPa
Reference temperature	20	°C

Density

Value	no data available
-------	-------------------

Viscosity

Type	dynamic		
Value		3	mPa*s
Reference temperature	20	°C	

Solubility in water

Remarks	insoluble
---------	-----------

Solvent content

Value	86,9	%
-------	------	---

Solids content

Value	4,3	%
-------	-----	---

10.) Stability and reactivity

Materials to avoid

None known.

Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Acute toxicity

Acute oral toxicity

LD50		700	mg/kg
Species	rat		
Reference substance	CAS 52080-58-7		

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009

Experience in practice

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.

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.

14.) Transport information

Land transport ADR/RID

Class	3	Classification code	F1
Packaging group	II		
Hazard id. no.	33		
Label	3		
UN number	1263		
Technical name	Paint		
Special Provision 640	D		

Marine transport IMDG

Class	3
Packaging group	II
UN number	1263
Proper shipping name	Paint
EmS	F-E,S-E
Label	3

Air transport ICAO/IATA

Class	3
Packaging group	II
UN number	1263
Proper shipping name	Paint
Label	3

15.) Regulatory information

Labelling in accordance with EC directives

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

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009

Hazard symbols

F	Highly flammable
Xn	Harmful
N	Dangerous for the environment

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

4-(phenylazo)benzene-1,3-diamine

R phrases

11	Highly flammable.
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.
68	Possible risks of irreversible effects.

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.
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 7 b

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):

10	Flammable.
11	Highly flammable.
22	Harmful if swallowed.
34	Causes burns.
38	Irritating to skin.
41	Risk of serious damage to eyes.
48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67	Vapours may cause drowsiness and dizziness.
68	Possible risks of irreversible effects.

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.

Alterations/supplements:

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

Trade name: edding 8850 Carpenter Pen

Version: 3.1.0 / GB

Status: 16.04.2009