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edding International GmbH

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Ahrensburg, 03.04.2002

Dear Sirs,

We refer to your request regarding the EC Safety Data Sheets that we provide for the ink used in our pens.

As products, writing utensils and markers do not fall under the European Dangerous Preparations Directive so there is no need to issue Safety Data Sheets.

For this reason we are enclosing EC Safety Data Sheets for the inks which are used in the pen concerned.

Please bear in mind that the information on the data sheet relates to the handling of large quantities of liquid in bulk, or so-called large units.

However, our articles only contain a comparatively small quantity of the inks so most of the information is not relevant to you.

Assuming our products are used and stored in a normal way they are not dangerous.

Best regards
edding International GmbH



Steffen Suse
Head of Product Development



EC safety data sheet

Trade name: edding 950, Solid Marker Ink

Status: 09.01.2001

Product no.:

Version : 1 / GB

Date of printing : 10.01.2001

1.) Identification of the substance/preparation and company

Product details

Trade name

edding 950, Solid Marker Ink

Colour: yellow, red, green, blue, black, white

Identification of the manufacturer / supplier

Address

edding Aktiengesellschaft

Bookkoppel 7

D-22926 Ahrensburg

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

Information provided by / telephone

+49 (0)4102 - 808-0

Emergency telephone number

2.) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

1-METHOXY-2-PROPANOL

CAS no. 107-98-2

Concentration > 20 %-b.w. < 30 %-b.w

Hazard symbols - R phrases 10

(2-METHOXYMETHYLETHOXY)PROPANOL

CAS no. 34590-94-8

Concentration > 20 %-b.w. < 30 %-b.w

Hazard symbols - R phrases -

3.) Hazards possibilities

Hazard symbols

- NONE

R phrases

10 Flammable

4.) First aid measures

General information

By continuous complaints consult a physician. Remove immediately contaminated clothing and shoes 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.); Eye treatment by an Oculist.

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After ingestion

Summon a doctor immediately. Never give anything by mouth to an unconscious person.

5.) Fire-fighting measures

Suitable extinguishing media

Foam; Dry powder; Water spray jet

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

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

Special protective equipment for firefighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information (chapter 5.)

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 (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

7.) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). If workplace limits are exceeded, a respiration protection approved for this particular job must be worn.

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.

Hints on storage assembly

Do not store together with:
Oxidizing agents

Further information on storage conditions

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

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8.) Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

1-METHOXY-2-PROPANOL

CAS no.	107-98-2			
EINECS no.	203-539-1			
OES/EH40				
Value	100	ml/m ³	375	mg/m ³
STEL	300	ml/m ³	1120	mg/m ³
Skin resorption / sensibilisation	Sk			

Personal protective equipment

Respiratory protection

If workplace limits are exceeded, a respirations protection approved for this particular job must be worn.

Hand protection

Gloves (solvent-resistant)

Eye protection

Safety glasses

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.

9.) Physical and chemical properties

Appearance

Form	liquid
Colour	various colours
Odour	solvent-like

Safety data

Changes in physical state

type	Boiling point		
Value	appr.	150	°C

Flash point

Value	appr.	35	°C
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type	Melting point		
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Value	appr.	100	°C
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Vapour pressure

Value	appr.	13	mm Hg
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Density

Value	<	1,00	g/cm ³
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Reference temperature	25	°C	
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Solubility in water

Remarks	insoluble
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10.) Stability and reactivity

Materials to avoid

Oxidising agents

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Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Experience in practice

Inhalation of vapours may lead to headache, drowsiness and dizziness.

Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Eye contact with the product may lead to irritation.

12.) Ecological information

General information / ecology

Do not discharge into the drains or waters and do not store on public depositories.

13.) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Uncleaned packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

14.) Transport information

Land transport ADR/RID

Class	3	31	c
Hazard no. (Kemler-Zahl)	30		
Label	3		
UN number	1263		
Technical name	Paint		

Marine transport IMDG/GGVSee

Class	3.3
Packaging group	III
UN number	1263
proper shipping name	Paint
EmS	3-05
MFAG	305
MARPOL	--
Label	3

Air transport ICAO/IATA

Class	3
Packaging group	III
UN number	1263
proper shipping name	Paint
Label	3

15.) Regulatory information

Labelling in accordance with EC directives

Classification according to the 'Listing Principe' of the Guide lines for preparations (88/379/EEC).

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Hazard symbols

N O N E

R phrases

10

Flammable

S phrases

24

Avoid contact with skin.

16.) Other information

Department issuing safety data sheet

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Contact person

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.