

Trade name: edding 8405 metal marker

Version: 1.0.0 / GB

Status: 17.08.2007

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

Identification of the substance or preparation

Trade name

edding 8405 metal marker

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

Hazard symbols

- N O N E

R phrases

- N O N E

Particular information pertaining specific risk for human / environment

The product does not require a hazard warning label in accordance with Directive 1999/45/EC. No special hazards have to be mentioned. But please observe the information given in this safety data sheet.

3.) Composition / information on ingredients

Chemical characterization

Aqueous preparation

Hazardous ingredients

ETHANE-1,2-DIOL

EC no.	203-473-3	Index no.	603-027-00-1	CAS no.	107-21-1
Concentration	> 1	<	5	%-b.w.	
Classification	Xn; R22				
Hazard symbols	Xn	R phrases	22		

CARBON BLACK

EC no.	215-609-9	Index no.	-	CAS no.	1333-86-4
Concentration	> 10	<	30	%-b.w.	
Classification	-				
Hazard symbols	-	R phrases	-		

Other information (chapter 2.)

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

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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

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.).

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**

Foam; Carbon dioxide; extinguishing powder; Water spray jet

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

None known

Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

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.

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). Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures necessary.

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.

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8.) Exposure controls / personal protection

Exposure limit values

ETHANE-1,2-DIOL

CAS no. 107-21-1
 EC no. 203-473-3

2000/39/EWG

Ethylene glycol
 TWA 52 mg/m³ 20 ml/m³
 STEL 104 mg/m³ 40 ml/m³
 Skin resorption /
 sensibilisation Skin

Occupational Exposure Standards (OESs) / EH40

Ethane 1,2-diol
 particulate
 TWA 10 mg/m³
 Skin resorption /
 sensibilisation Sk

Occupational Exposure Standards (OESs) / EH40

Ethane 1,2-diol
 vapour
 TWA 52 mg/m³
 STEL 104 mg/m³
 Skin resorption /
 sensibilisation Sk

CARBON BLACK

CAS no. 1333-86-4
 EC no. 215-609-9

Occupational Exposure Standards (OESs) / EH40

Carbon black
 TWA 3,5 mg/m³
 STEL 7 mg/m³

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

In case of intensive contact wear protective gloves (EN 374). 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 (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.

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9.) Physical and chemical properties

General information

Form	liquid
Colour	black
Odour	weak

Important health, safety and environmental information

Changes in physical state

Value	no data available
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Flash point

Remarks	not applicable
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Density

Value	no data available
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Solubility in water

Remarks	miscible
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10.) Stability and reactivity

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.

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

Other information (chapter 14.)

The product is not defined under national/international road, rail, sea and air transport regulations as a hazardous material.

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15.) Regulatory information**Labelling in accordance with EC directives**

The product does not require a hazard warning label 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

- N O N E

R phrases

- N O N E

Special labelling for certain preparations

"Safety data sheet available for professional user on request."

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

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

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):

22 Harmful if swallowed.

Department issuing safety data sheet

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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.