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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



**Legamaster** 

Geschäftsführer: Wolfgang J. Tenbusch, Ralf Oster • Sitz der Gesellschaft: Ahrensburg • Handelsregister Ahrensburg HRB 3930

Commercial product name: **Fibre Pen Inks**

Product No.: edding FT30, FTK25

Date: 17.06.96

Producer/ supplier: edding AG

Date of revision: 02/08/00

## 1 Identification of the substance/preparation and of the company/undertaking

### 1.1 Identification of the substance or preparation:

edding fibre pen inks, various colours

### 1.2 Company/undertaking identification:

edding Aktiengesellschaft, D-22923 Ahrensburg, Germany

## 2 Composition/information on ingredients

### Chemical characterization:

aqueous solution of polyhydric alkohol, dye stuffs and additives Substances presenting a health hazard within the meaning of the dangerous Substances Directive 67/548/EEC

**Dangerous substance:** NA (See full text of R phrases under chapter 16)

☐ substance

☒ preparation

## 3 Hazards identification

NA

## 4 First-aid measures

### General:

In all cases of doubt, or when symptoms persist, seek medical attention.

### Inhalation: NA

**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water of use recognised skin cleanser. Do **NOT** use solvents or thinners.

**Eye contact:** Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

**Ingestion:** If accidentally swallowed obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting.

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## **5 Fire-fighting measures**

### **Extinguishing media:**

recommended : NA

### **Recommendations:**

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

## **6 Accidental release measures**

Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## **7 Handling and storage**

### **7.1 Handling:**

Keep container tightly closed. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws.

### **Storage:**

Observe label precaution. Store between 5 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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## 8 Exposure controls and personal protection

8.1 Engineering measures: NA

8.2 Exposure limits Occupational exposure limit for: NA

CAS-No./Names/STLmg/m<sup>3</sup>/LTL mg/m<sup>3</sup>: NA

8.3 Personal protection:

**Respiratory protection:** NA

**Hand protection:** For prolonged or repeated contact, use: Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

**Eye protection:** Use safety eyewear designed to protect against splash of liquids.

**Skin protection:** All parts of the body should be washed after contact.

## 9 Physical and chemical properties

9.1 Appearance:	physical state:	liquid
	colour:	various (col. 1-15,17-20,28)
	odour:	NA

9.2 Safety parameters:	change in physical state:	
	boiling point:	100°C
	flash point:	>100°C (DIN 53213)
	ignition temperature:	NA
	explosion limits:	lower: NA / upper: NA
	vapour pressure:	< 20 mbar (at 20 °C)
	relative density:	NA
	solubility:	soluble in water
	pH (at 200g/l, 20°C):	ca. 7
	specific gravity at 20°C:	ca.1,1 g/ml
	solid content:	10%
	volatile:	90%
	viscosity:	3 - 4 mPas (at 20 °C)

9.3 Other data: NA

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## 10 Stability and reactivity

Stable under recommended storage and handling conditions (See section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and diaoxide, smoke, oxides of nitrogen. Keep away from oxidising agents, strongly alkaline and strongly acids materials in order to avoid exothermic reactions.

## 11 Toxicological information

There are no data available on the preparation itself.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

**ASTM D-4236 : NA**

## 12 Ecological information

There are no data available on the preparation itself. The product should not be allowed to enter drains or water courses.

## 13 Disposal considerations

Do not allow into drains or water courses.  
Empty containers are to be deposited according to the official rules.

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## 14 Transport information

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO / IATA for air transport.

ADR/ RID class: not dangerous good  
Transport document

item:  
Name:

IMDG class: NA

UN-No.: NA  
EMS: NA  
MFAG: NA

marine pollutant:  
proper shipping name: No dangerous goods

ICAD/ IATA class: NA  
Proper shipping name: No dangerous goods  
Packaging group: NA

UN-No.: NA

## 15 Regulatory information

15.1 The requirements of the classification, packaging and labelling of dangerous substances regulation.

The product is labelled as follows: NA

Danger classification: NA

Contains: R phrases: NA  
S phrases: NA

## 16 Other information

Full text of R phrases with no appearing in section 2: NA

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the users working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product: It is not to be considered as a guarantee of the products properties. The information in this safety data sheet is required pursuant to dangerous substances regulations 1984.