

### 1. Designation of Product and Firm

Trade name: **EBS Ink-Jet black Ink**  
Symbol: TS2A002 and S2A002  
Product: printing

#### Manufacturer/ Supplier

Name: EBS GmbH  
Adresse: Am Sonnenhang 33  
D-51588 Nümbrecht-Germany  
Tel: ++49(0) 2293 9 39-0  
Fax: ++49(0) 2293 9 39-3  
Emergency Contact: Resuscitation Centre of the Free University of Berlin, telephone ++49 (0) 30 3035-3466

### 2. Chemical Composition/Data on Components

Component name	CAS-No.	Symbol
Ethanol	64 - 17 - 5	F ; R 11 ; S 2-7-16
Chromium (III) complexdye	-	N R 51-53

F Inflammable  
N Dangerous for the Environment  
R 11 Inflammable  
R 51 Toxic to aquatic organisms  
R 53 May cause long-term adverse effects in the aquatic environment  
S 2 Keep out of reach of children  
S 7 Keep container tightly closed  
S 16 Keep it away from ignition sources – do not smoke

### 3. Hazards identification

Classification : Highly flammable , Irritant

#### Chemical name

Ethanol

#### Effects and symptoms

May cause irritation of respiratory tract, coughing, shortness of breath. Slightly irritating to the skin. Absorbed through skin. Moderately irritating to eyes. Inhalation and ingestion may cause drowsiness, dizziness, incoordination and other effects of intoxication. May cause loss of consciousness/ coma and death.

### 4. First Aid

#### **General hints:**

Carry the victim out of the hazardous area and lay them down. Should respiration become irregular or standstill, give artificial respiration. If the clothing is contaminated with the Product, take it off immediately.

#### **Contact with eyes:**

Rinse wide open eyes with running water for a few minutes and consult a doctor.

#### **Contact with skin:**

Take off contaminated clothing and wash affected spots on the skin with soap and a lot of water; do not use any solvents.

#### **When swallowed:**

Make the victim drink a lot of water – consult a doctor immediately.

#### **When inhaled:**

Ensure a supply of fresh air – if the suffering persists, consult a doctor.

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**5. Fire Precautions**

**Fire extinguishing agents:** Fire powder, carbon dioxide (CO<sub>2</sub>), foam, sprayed water jet.  
**Hazardous decomposition products:** CO, CO<sub>2</sub> in the case of fire.

**6. Spill or leak procedures**

**Personal precautions :** Splash goggles. Full suit. Vapour respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.  
**Environmental precautions and cleanup methods :** Flammable liquid, insoluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or non combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas ; dike if needed. Call for assistance on disposal. Neutralise the residue with a dilute solution of sodium carbonate.

**7. Handling and storage**

**Handling:** Do not eat or drink while handling the Product. Handle the Product with care and keep clean. Avoid contact with eyes. Do not inhale the vapours. Keep containers in a well ventilated room and away from ignition sources.  
**Explosion Hazard:** Do not smoke. Take action to protect it against static electricity.  
**Storage:** Protect against heat and exposure to sun radiation in compliance with Inflammable Fluid Regulations. Store in a cool place, otherwise pressure may rise and a risk of disruption occur.

**8. Exposure Control and Personal Protection Equipment**

**Exposure limits according to Hazardous Material Regulations:**

Product	MAK mg/m <sup>3</sup>	MAK ppm	
Ethanol	1900	1000	

**Airways protection:** Ensure good ventilation if major amounts of the Product are used  
**Hand Protection:** Wear solvent resistant gloves of Latex or the like  
**Eye Protection:** Wear tight protective glasses

**9. Physical and Chemical Properties**

**State and appearance:** fluid  
**Colour:** black  
**Smell:** alcohole like  
**Boiling point:** 55-80°C at 1013 hPa  
**Vapour pressure:** 233 hPa / 20°C  
**Explosion limits:** lower 1.8 %Vol.  
upper: 19 %Vol.  
**pH:** n.a.  
**Auto-ignition point:** 425°C  
**Ignition point:** -18°C  
**Water solubility:** miscible  
**Organic solvent solubility:** miscible with almost all such solvents

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**10. Stability and Reactivity**

<b>Stability:</b>	The product is stable.
<b>Thermal decomposition:</b>	no decomposition occurs, if it is stored and handled appropriately
<b>Hazardous decomposition products:</b>	CO, CO <sub>2</sub> in the case of fire
<b>Hazardous reactions:</b>	no hazardous reactions, if it is used for purposes it is designed for

**11. Toxicological Data**

**Chemical name**

1) Ethanol

**Toxicological Information**

- 1) LD50 Oral Rat : 7060 mg/kg
- 2) LD50 Oral Rabbit : 6300 mg/kg

<b>Inhalation:</b>	Vapour concentration exceeding exposure limits can cause dizziness and headache and can affect the central nervous system.
<b>Contact with skin:</b>	Irritation can occur. Longer or repeated contact with skin makes the skin lose natural fat and can cause dermatitis.
<b>Pregnant women:</b>	should avoid any contact with the Product.

**12. Environmental Data**

Poses a hazard to water if major amounts infiltrate into ground or surface water. Do not allow it to get into a sewerage system; an explosion hazard can occur.

**13. Waste disposal**

Must not be removed together with household waste. Incinerate it in an authorised plant (incinerator).

**14. Transport Details**

<b>By road:</b>	Class 3, point 5b
<b>By sea:</b>	Class 3.2. EmS 3-05: page 3272
<b>By air:</b>	Class 3
<b>UN No.:</b>	1210
<b>Medical First Aid Guide:</b>	311
<b>Packing Group:</b>	II

**15. Regulations**

Symbol:

**F**  
Inflammable

**Contains:**

Ethanol

**R-Designation:**

R-11 Inflammable

R 36 Irritating to eyes

**S-Designation:**

S7 Keep containers tightly closed

S 9 Keep containers in a well ventilated place

S 16 Keep it away from ignition sources – do not smoke

S 33 Take precautionary measures against static discharges

S 43 In case of fire, use....(indicate in this space the precise type of fire fighting equipment. If water increases the risk, add "never use water").

Class as per Inflammable Fluid Regulations:

A 1

**16. Other data**

The data is based on the current state of our knowledge. Nevertheless it should not be considered a promise of Product properties or make grounds for any legal relation.