

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : VC INK BLACK(DILUTED)
 Company : TSUKINEKO CO.,LTD.
 Address : 5F SUEHIRO JF BLDG., 5-1-5, SOTOKANDA, CHIYODA-KU, TOKYO,
 101-0021 JAPAN
 Telephone no. : +81-3-3834-1080

2. HAZARDS IDENTIFICATION

GHS Classification

Physical hazards

Flammable liquid : Category 3

Health hazards

Skin corrosion/irritation : Category 3

Serious eye damage/eye irritation : Category 2B

Reproductive toxicity : Category 1B

Specific target organ toxicity-single exposure : Category 1(liver, kidney, central nervous system, testis)

Specific target organ toxicity-repeated exposure : Category 1(hematopoietic system, testis)

Environmental hazards : It is not possible to classify.

Label

Signal word : Danger

Hazard pictogram



Hazard statement : Flammable liquid and vapor.
 : Causes mild skin irritation.
 : Causes eye irritation.
 : May damage fertility or the unborn child
 : Causes damages to organs: liver, kidney, testis,
 central nervous system
 : Causes damages to organs through prolonged or exposure:
 hematopoietic system, testis

Precautionary statement

Response : If on skin Rinse skin with water/soap in water.
 If in eyes Rinse cautiously with water for above 15 minutes.
 Work in a well-ventilated place.

Direction for use : Protective instrument.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Wt%	Other Limit
Dye	Registered	15-25	
Glycol Ether	Registered	40-50	
2-Ethoxyethanol	110-80-5	15-20	
Fatty acid	Registered	10-20	
Surfactant	Registered	5.0-10	
Benzenamine, N-phenyl-	122-39-4	<0.5	
2,6-Di-tert-butyl-p-cresol	128-37-0	<0.2	

4.FIRST AID MEASURES

Eye contact	: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Skin contact	: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.
Ingestion	: Do not induce vomiting. If the victim is conscious and not convulsing, give two glasses of water or milk to drink, and get immediate a physician.
Inhalation	: Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a Physician.

5.FIRE-FIGHTING MEASURES

Flammable limit	: No data
Extinguished media	: Carbon dioxide, dry chemical or foam extinguisher.
Fire & explosion hazards	: Dense smoke emitted when burned without sufficient oxygen.
Fire-fighting equipment	: Wear positive pressure self-contained breathing apparatus in any closed space.

6.ACCIDENTAL RELEASE MEASURES

Small spills	: Mop up, wipe up or soak up.
Large spills	: Remove all sources of ignition. Wear proper protective equipment. Dike or impound spilled material and control further spillage. Absorbed spill with dry sand, absorbent mat or the like, then recover into containers. Flush residual spill (area) with copious amount of water.

7.HANDLING AND STORAGE

Handling	: Keep away from all possible source of ignition.
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- : When handling at elevated temperature, provide adequate ventilation.
- : Avoid contact with eyes and skin.
- : Avoid rough handling or dropping.

- Storage
- : Keep away from all possible source of ignition.
 - : Keep container tightly closed. Keep away from heat and open flame.
 - : Store in cool place.

8.EXPOSURE CONTROL/PERSONAL PROTECTION

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|-------------------------------|---|
| Eye protection | : Protective goggles |
| Skin protection | : Chemical resistant gloves and work clothes. |
| Respiratory Protection | : Full-face respirator. |
| Exposure guidelines or limits | : Control parameters 5ppm(2-Ethoxyethanol) |
| | : ACGIH TLV(TWA) 5ppm(2-Ethoxyethanol,skin) |
| | : OSHA PEL(TWA) 200ppm(2-Ethoxyethanol,skin) |

9.PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------|-----------------------------|
| Appearance and odor | : Colored liquid ,mild odor |
| Boiling point | : >135°C |
| Melting point | : Not available |
| Vapor density | : Not available |
| Vapor pressure | : Not available |
| Solubility in water | : Partially soluble |
| pH | : Not applicable |
| Specific gravity | : 1.0-1.1 |
| Flash point | : >43°C(Closed cup) |
| Autoignition point | : Not available |

10.STABILITY AND REACTIVITY

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|---------------------------------|---|
| Stability | : Stable. (Avoid open flames and high temperature sources) |
| Incompatibility | : Strong acids and strong oxidizing agents. |
| Hazardous decomposition product | : Carbon dioxide and some carbon monoxide. |
| Hazardous polymerization | : Avoid heat, flames, sparks and other sources of ignition. |

11.TOXICOLOGICAL INFORMATION

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|--|---|
| Skin corrosion/irritation | : Category 3 |
| Serious eye damage/eye irritation | : Category 2B |
| Reproductive toxicity | : Category 1B |
| Specific target organ toxicity-single exposure | : Category 1(liver, kidney, central nervous system, testis) |

Specific target organ : Category 1(hematopoietic system, testis)
toxicity-repeated exposure

12.ECOLOGICAL INFORMATION

Not available

13.DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with national, state and local regulations.

14.TRANSPORT INFORMATION

Follow all regulations in your country or region.

Precautions : Pack, label and transport according to regulation.

: Ensure containers without breakage or leakage.

: Ensure containers tightly fixed.

: Keep away from source of ignition

Proper shipping name : Printing ink, flammable

Hazard class : 3

UN No. : 1210

Packing group : III

2-Ethoxyethanol (UN No.1171) 15-20%

15.REGULATORY INFORMATION

Follow all regulations in your country or region.

16.OTHER INFORMATION

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