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**Artline**  
**Xstamper**

[MSDS NO. EX5003E-000]

DATE Feb.26,2001 p. 1/3

**MATERIAL SAFETY DATA SHEET**

**1. PRODUCT & COMPANY IDENTIFICATION**

• **PRODUCT NAME**

X stamper Ink X-200  
( Black, Red, Green, Blue, Purple, )

• **NAME OF MANUFACTURER/SUPPLIER**

Shachihata Inc.

• **NAME OF SECTION**

Research and Development Dept.

• **ADDRESS**

4-69,Amatuka-chou,Nishi-ku,Nagoya-shi,Aichi-ken,Japan

• **TELEPHONE NUMBER**

052/521/1466

• **FAX NUMBER**

052/521/1468

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

• **SUBSTANCE / MIXTURE**

Mixture

• **INGREDIENTS**

| CHEMICAL OR COMMON NAME(S) | CAS NO. | INGREDIENTS(wt.%) |
|----------------------------|---------|-------------------|
| Castor Oil Derivative      |         | 40.80             |
| Ethyl alcohol              | 64-17-5 | 5.15              |
| Glycolol Ether Group       |         | 5.15              |
| Alcohol Group              |         | 5.15              |
| Synthetic Resin            |         | 5.15              |
| Synthetic Dye              |         | 5.15              |
|                            |         | 100               |

**3. HAZARDS IDENTIFICATION**

• **CLASS NAME OF HAZARDS CHEMICALS FOR MSDS IN JAPAN**

Flammable liquids

• **PHYSICAL AND CHEMICAL HAZARDS**

Flammable liquids

• **ADVERSE HUMAN HEALTH HAZARDS**

Harmful in contact with eye or if swallowed.

**4. FIRST-AID MEASURES**

• **EYE CONTACT**

000 Immediately flush with plenty of water.  
See medical advice immediately.

• **SKIN CONTACT**

000 Wipe off with dry cloth and wash with mild soap.

• **INHALATION**

000 Move to well ventilated place.

• **INGESTION**

000 See medical advice immediately.

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**5. FIRE-FIGHTING MEASURES****• SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES**

In case of fire, use foam dry chemicals.

**• EXTINGUISHING MEDIA**

Dry chemical powder, foam or carbon dioxide.

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**6. ACCIDENTAL RELEASE MEASURES**

Wipe off with dry cloth.

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**7. HANDLING AND STORAGE****• HANDLING**

- Use only in the well-ventilated areas.
- Avoid contact with skin or eyes.
- Avoid inhalation and ingestion.
- Avoid high temp. and fire.

**• STORAGE**

- Store in a cool and dry location.
- Keep bottle tightly closed.
- Keep away from heat or sunlight.

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**8. EXPOSURE CONTROL / PERSONAL PROTECTION****• CONTROL PARAMETERS**

[ Ethyl alcohol ]

ACGIH TLV (1990-91) TWA 1000ppm(1880mg/m<sup>3</sup>)

OSHA PEL(1993) 1000ppm(1900mg/m<sup>3</sup>)

**• ENGINEERING MEASURES**

Not required.

**• PERSONAL PROTECTIVE EQUIPMENT**

Not required.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****• APPEARANCE AND ODOR**

Liquid, minor solvent odor.

• DENSITY(g/cm<sup>3</sup>) 1.0

• BOILING POINT No data available

• VOLATILE(wt.%) 5~10

• SOLUBILITY IN WATER Insoluble

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**10. PHYSICAL HAZARD(STABILITY AND REACTIVITY)**

- FLASH POINT 40 (closed cup)
- AUTOIGNITION TEMPERATURE 380
- EXPLOSION LIMIT No data available.

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#### 11. TOXICOLOGICAL INFORMATION

##### • ACUTE TOXICITY

[ Ethyl alcohol ]

|            |      |       |                |
|------------|------|-------|----------------|
| Oral       | LD50 | (rat) | 7,060 mg/Kg    |
| Inhalation | LC50 | (rat) | 20,000 ppm/10H |

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#### 12. ECOLOGICAL INFORMATION

No data available.

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#### 13. DISPOSAL CONSIDERATION

Disposal as usual industrial waste goods, soak up with absorbent materials follow all regulations in your country.

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#### 14. TRANSPORT INFORMATION

Follow all regulations in your country  
UN NUMBER 1210  
UN CLASS 3.3(Flammable liquids)

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#### 15. REGULATORY INFORMATION

Follow all regulations in your country.

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#### 16. OTHER INFORMATION

The information herein is given in good faith, but no warranty, express or implied, is made.

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