

**MATERIAL SAFETY DATA SHEET****1. PRODUCT & COMPANY IDENTIFICATION****• PRODUCT NAME**

X stamper Ink X-200

( Black, Red, Orange, Green, Blue, Purple, Brown, Pink, Yellow )

- 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
  - HAZARDOUS INGREDIENTS**
- | CHEMICAL OR COMMON NAME(S) | CAS NO. | INGREDIENTS(wt.%) |
|----------------------------|---------|-------------------|
| Ethyl alcohol              | 64-17-5 | 5~15              |

**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 by inhalation, in contact with skin and if swallowed.

**4. FIRST-AID MEASURES**

- EYE CONTACT** Immediately flush with plenty of water.  
See medical advice immediately.
- SKIN CONTACT** Wipe off with dry cloth and wash with mild soap.  
See medical advice immediately.
- INHALATION** Move to well ventilated place.  
See medical advice immediately.
- INGESTION** See medical advice immediately.

**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.

**6. ACCIDENTAL RELEASE MEASURES**

Wipe off with dry cloth.

**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.

**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.

**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

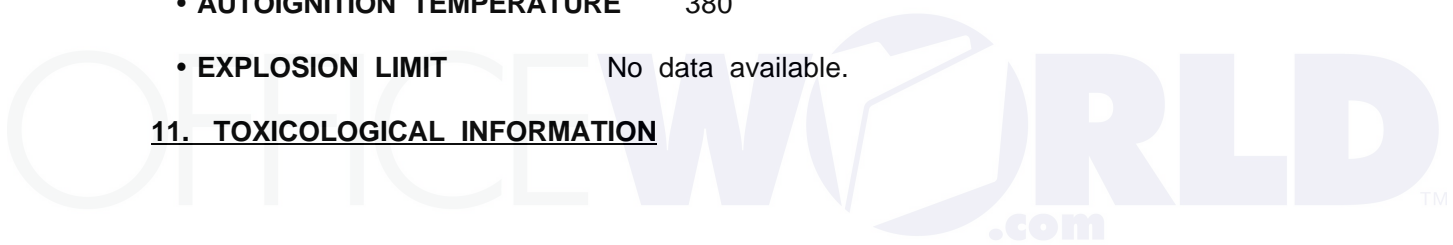
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**10. PHYSICAL HAZARD(STABILITY AND REACTIVITY)**

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

**11. TOXICOLOGICAL INFORMATION**



• **ACUTE TOXICITY**

[ Ethyl alcohol ]

|            |                  |       |                |
|------------|------------------|-------|----------------|
| Oral       | LD <sub>50</sub> | (rat) | 7,060 mg/Kg    |
| Inhalation | LC <sub>50</sub> | (rat) | 20,000 ppm/10H |

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATION**

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

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

Follow all regulations in your country.

**16. OTHER INFORMATION**

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

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