

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/m³)

OSHA PEL(1993) 1000ppm(1900mg/m³)

• **ENGINEERING MEASURES**

Not required.

• **PERSONAL PROTECTIVE EQUIPMENT**

Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **APPEARANCE AND ODOR** Liquid, minor solvent odor.
- **DENSITY(g/cm³)** 1.0 • **BOILING POINT** No data available
- **VOLATILE(wt.%)** 5~10 • **SOLUBILITY IN WATER** Insoluble

[MSDS NO. EX5003D-000]

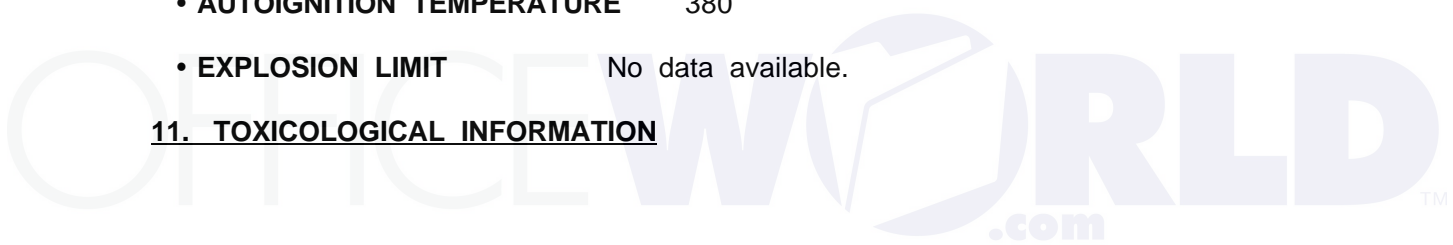
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10. PHYSICAL HAZARD(STABILITY AND REACTIVITY)

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

11. TOXICOLOGICAL INFORMATION

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• **ACUTE TOXICITY**

[Ethyl alcohol]

| | | | |
|------------|------------------|-------|----------------|
| Oral | LD ₅₀ | (rat) | 7,060 mg/Kg |
| Inhalation | LC ₅₀ | (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.

95-C L-X-200, d