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**MATERIAL SAFETY DATA SHEET**

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**1. PRODUCT & COMPANY IDENTIFICATION****• PRODUCT NAME**

Xstamper PRE-INKED RUBBER STAMPS  
( Black, Red, Purple, Blue )

- 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

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**2. COMPOSITION / INFORMATION ON INGREDIENTS (INK)**

- SUBSTANCE / MIXTURE** Mixture

**• HAZARDOUS INGREDIENTS**

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

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**3. HAZARDS IDENTIFICATION (INK)**

- 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.

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**4. FIRST-AID MEASURES (INK)**

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

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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**

- Avoid contact with skin or eyes.
- Avoid inhalation and ingestion.
- Avoid high temp. and fire.

**• STORAGE**

- Store in a cool and dry location.
  - Keep away from heat or sunlight.
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**8. EXPOSURE CONTROL / PERSONAL PROTECTION (INK)****• 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 (INK)**

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|-------------------------------|-----------------------------|-----------------------|-------------------|
| • 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) (INK)**

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

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**11. TOXICOLOGICAL INFORMATION (INK)**

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**•ACUTE TOXICITY**

[ Ethyl alcohol ]

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

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**12. ECOLOGICAL INFORMATION**

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No data available.

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**13. DISPOSAL CONSIDERATION**

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Disposal as usual industrial waste goods, follow all regulations in your country.

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**14. TRANSPORT INFORMATION (INK)**

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Follow all regulations in your country.

UN NUMBER 1210

UN CLASS 3.3(Flammable liquids)

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**15. REGULATORY INFORMATION**

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Follow all regulations in your country.

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**16. OTHER INFORMATION**

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