

[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- 60	
Ethyl alcohol	64-17-5	5- 15	
Glycohol 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 Immediately flush with plenty of water.
See medical advice immediately.

SKIN CONTACT Wipe off with dry cloth and wash with mild soap.

INHALATION Move to well ventilated place.

INGESTION 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.

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

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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 LD₅₀ (rat) 7,060 mg/Kg
Inhalation LC₅₀ (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