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 64-17-5 40-60
Ethyl alcohol 5-15
Glycol 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.

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

http://www.xstamper.com/msds1.htm 7/22/02
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