1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME

X stamper Ink Y-30

(Black, Red, Green, Blue, Purple)

NAME OF MANUFACTURER/SUPPLIER
Shachiha 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

<table>
<thead>
<tr>
<th>CHEMICAL OR COMMON NAME(S)</th>
<th>CAS NO.</th>
<th>INGREDIENTS (wt.%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Castor Oil Derivative</td>
<td>—</td>
<td>40-60</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>5-15</td>
</tr>
<tr>
<td>Glycol Ether Group</td>
<td>—</td>
<td>5-15</td>
</tr>
<tr>
<td>Alcohol Group</td>
<td>—</td>
<td>5-15</td>
</tr>
<tr>
<td>Synthetic Resin</td>
<td>—</td>
<td>1-10</td>
</tr>
<tr>
<td>Synthetic Dye</td>
<td>—</td>
<td>5-15</td>
</tr>
</tbody>
</table>

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.

http://www.xstamper.com/msds2.htm
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(1990mg/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

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) 7,060mg/Kg

http://www.xstamper.com/msds2.htm
12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATION

Disposal as usual industrial waste goods, 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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