1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Xstamper Refill Ink <X-200>
CS-10N, CS-20N, CS-60N

General Use: Xstamper refill ink

MSDS Number: EX3001C-0101

MANUFACTURER

Company Name: Shachihata Co., Ltd.
Address: 4-69, Amatuka-chou, Nishi-ku, Nagoya-shi, Aichi-ken, Japan
Telephone Number: ++ 81 52 521 3600
Fax Number: ++ 81 52 521 3899

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical or Common Name(s)</th>
<th>wt.%</th>
<th>CAS(TSCA) Number</th>
<th>EINECS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1-10</td>
<td>64-17-5</td>
<td>200-578-6</td>
</tr>
<tr>
<td>Ethanol, 2-(2-butoxyethoxy)-</td>
<td>5-15</td>
<td>112-34-5</td>
<td>203-961-6</td>
</tr>
</tbody>
</table>

EU symbol(s) and risk phrase(s) is specified in 15. REGULATORY INFORMATION.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable liquid with a solvent odor.
May cause allergic skin reaction.

POTENTIAL HEALTH EFFECT

No data available

POTENTIAL ENVIRONMENTAL EFFECTS

No data available
MATERIAL SAFETY DATA SHEET

4. FIRST AID MEASURES

INHALATION  Move to well ventilated place.
            See medical advice immediately.

EYE  Immediately flush with plenty of water.
     See medical advice immediately.

SKIN  Wipe off with dry cloth and wash with mild soap.
      See medical advice immediately.

INGESTION  See medical advice immediately.

PROTECTION TO FIRST-AIDERS
No data available

NOTE TO PHYSICIAN
Treatment may vary with condition of victim and specifics of incident.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
Flammable

EXTINGUISHING MEDIA
Dry chemical powder, foam or carbon dioxide.

FIRE FIGHTING INSTRUCTIONS
Wear full fire-fighting turn-out gear and respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL  Wipe off with dry cloth.

WATER SPILL  Contain spilled liquid with sand or earth.
             Do not use combustible materials, such as sawdust.

7. HANDLING AND STORAGE

HANDLING:
Use only in the well-ventilated areas.
Avoid contact with skin or eyes, or clothing.
Avoid inhalation and ingestion.
Avoid high temp. and fire.
Wash thoroughly after handling.

STORAGE:
Store in a cool, dry, well-ventilated location.
Keep away from heat, sunlight.
Keep away from children.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

- **OSHA PEL (1994)**
  - [Ethanol] TWA 1,000 ppm (1,900 mg/m³)

- **ACGIH TLV (2003)**
  - [Ethanol] TWA 1,000 ppm

- **EN LIMIT (2000/39/EN)**
  - Not established

EXPOSURE CONTROLS

**Occupational Exposure Controls**

- **Engineering Controls**
  - Use exhaust ventilation to keep airborne concentration below exposure limits.

**Personal Protection**

- **Respiratory Protection**
  - Use with local exhaust ventilation, when in long use.

- **Hand Protection**
  - Not required, but wear safety gloves, if necessary.

- **Eye Protection**
  - Not required, but wear safety glasses, if necessary.

- **Skin Protection**
  - To prevent ANY contact, wear impervious clothing such as gloves, apron, as appropriate.

**Environmental Exposure Controls**

- Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**
  - **Physical state**: Liquid
  - **Odor**: Minor solvent odor
  - **Boiling Point / Boiling Range**: No data available
  - **Flash Point**: 40 °C
  - **Explosive Properties**: No data available
  - **Relative Density (g/cm³)**: 1.0 g/cm³
  - **Solubility [Water]**: Insoluble
MATERIAL SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID  No data available
STABILITY              No data available
MATERIALS TO AVOID     No data available

HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS
No data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (RTECS : 2004.11)

[Ethanol]

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

Skin, LDL<sub>0</sub> (rabbit)   20  mg/kg

[Ethanol,2-(2-butoxyethoxy)-]

Oral   LD<sub>50</sub> (rat)   5,660  mg/kg
Skin   LD<sub>50</sub> (rabbit)   2,700  mg/kg

12. ECOLOGICAL INFORMATION

ECOTOXICITY               No data available
BIOACCUMULATIVE POTENTIAL No data available
OTHER ADVERSE EFFECTS     No data available

13. DISPOSAL CONSIDERATIONS

Comply with all federal, state, EU, national and local regulations.
Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

UN CLASS  3
UN Packing Group (PG)    
UN NUMBER     1210
Proper Shipping Name    Printing ink, flammable
MATERIAL SAFETY DATA SHEET

15. REGULATORY INFORMATION

Refer to any other federal, state, EU, national and local regulations.

OSHA STATUS: This product is hazardous under 29 CFR 1910.1200.

TSCA STATUS: All components on TSCA INVENTORY.

CERCLA REPORTABLE QUANTITY (40 CFR 117,302):
Not applicable

SARA TITLE: Not applicable

This product is classified as follows,

<table>
<thead>
<tr>
<th>Component</th>
<th>Symbol</th>
<th>Risk Phrase</th>
<th>Safety Advice</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Ethanol]</td>
<td>[F]</td>
<td>R:11</td>
<td>2 (Keep out of the reach of children.)</td>
</tr>
<tr>
<td>[Ethanol,2-(2-butoxyethoxy)-]</td>
<td>[Xi]</td>
<td>R:36</td>
<td>7 (Keep container tightly closed.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16 (Keep away from sources of ignition – No smoking.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24 (Avoid contact with skin.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>26 (In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.)</td>
</tr>
</tbody>
</table>

Please refer to any other EU, national and local measures.

16. OTHER INFORMATION

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