MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT & COMPANY IDENTIFICATION

- **PRODUCT NAME**
  Xstamper® Refill Ink (Red, Black, blue, Green, Purple, Orange, Light Blue, Light Green, Yellow, Pink and Brown)

- **NAME OF SUPPLIER:** Shachihata Inc.
- **NAME OF DEPARTMENT:** Product Development Department
- **ADDRESS:** 1661 W. 240th Street, Harbor City, CA 90710 USA
- **TELEPHONE NUMBER:** (800) 424-9300 - 24 hour emergency contact

  (310) 530-4445 - During business hours

- **FAX NUMBER:** (310) 530-2892

- **CHEMICAL NAME:** Ink Mixture
- **CHEMICAL FAMILY:** Ink Mixture
- **FORMULA:** Proprietary
- **MOLECULAR WEIGHT:** N/A

SECTION 2. HAZARDS IDENTIFICATION

CLASS NAME OF HAZARDS FOR MSDS IN JAPAN
- Flammable Liquids

PHYSICAL AND CHEMICAL HAZARDS
- Flammable Liquids

ADVERSE HUMAN HEALTH HAZARDS
- Harmful in contact with eyes or swallowed

SECTION 3: COMPOSITION/HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>PERCENT</th>
<th>PEL</th>
<th>CAS NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Castor Oil Derivative</td>
<td>40-60</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Glycohol Ether Group</td>
<td>5-15</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Alcohol Group</td>
<td>5-15</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Synthetic Resin</td>
<td>5-15</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Synthetic Dye</td>
<td>5-15</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>5-15</td>
<td>1000ppm</td>
<td>64-17-5</td>
</tr>
</tbody>
</table>

SECTION 4: TOXILOGICAL INFORMATION

Acute Toxicity (Ethyl Alcohol)
- Oral: LD50 (rat) 7,060 mg/Kg
- Inhalation: LD50 (rat) 20,000 ppm/10H

SECTION 5: PHYSICAL & CHEMICAL CHARACTERISTICS

- Boiling Point: No data available
- Melting Point: No data available
- Vapor Density: 1.0 g/cm3
- Specific Gravity: No data available
- Solubility in Water: Insoluble in water
- Auto Ignition: 380° C
- Vapor Pressure: <1 mm hg
- Appearance & Odor: Mobile Liquid Solvent, Mild Odor
SECTION 5: PHYSICAL & CHEMICAL CHARACTERISTICS CONTINUED
Appearance & Odor: VOC: 35.84 GMS/Liter
Volatile (wt.%): 5~10
LEL/UEL %: 1.5 14.0
Flash Point: 40° CM
Method: Closed Cup

SECTION 6: FIRE & EXPLOSION DATA
Extinguishing Media: Dry chemical power
Extinguishing Media: Foam
Extinguishing Media: Carbon Dioxide
Special Fire Procedures: Wear self-contained breathing apparatus
Special Fire Procedures: Wear protective clothing and equipment
Unusual Hazards: Wear suitable eye protection to prevent eye contact

SECTION 7: REACTIVITY DATA
Stable, Y=Yes, N=No: Y
Conditions to Avoid: Heat, sparks and open flame
Incompatibility: Strong oxidizing agents
Hazardous Decomposition: Burning will produce CO2 and/or CO
Hazardous Polymerization: No Data Available
Control Parameters (Ethyl Alcohol): ACGIH TLV TWA 1000ppm (1880 mg/m³)
OSHA PEL 1000ppm (1900 mg/m³)

SECTION 8: HEALTH HAZARDS
Acute: Headache, Nausea, Vomiting
Chronic: Skin and eye irritant
Signs & Symptoms of Exposure: Headache, nausea, vomiting
Signs & Symptoms of Exposure: Breathing difficulties
Signs & Symptoms of Exposure: Weakness
Signs & Symptoms of Exposure: Irritation to eyes, nose & respiratory tract
Medical Conditions aggravated: No data available
Is chemical listed as carcinogen or potential carcinogen: No Data Available
First Aid for Inhalation: Remove to fresh air if overcome by vapor
First Aid for Eyes: Irrigate with clean water and seek medical advice immediately
First Aid for Skin: Wipe off with dry cloth. Wash with soap and water; change clothing
First Aid for Ingestion: Seek medical advice immediately
First Aid for Ingestion: Induce vomiting; call doctor
Routes of entry for inhalation: Avoid prolonged breathing of vapors
Routes of entry for eyes: Avoid contact with the eyes
Routes of entry for skin: Avoid repeated or prolonged skin contact
Routes of entry for ingestion: Do not take internally

SECTION 9: SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES
Handling & Storage: Keep container tightly closed when not in use
Handling & Storage: Keep in a cool, dry location
Handling & Storage: Use only in well ventilated areas
Handling & Storage: Avoid prolonged breathing of vapors
Handling & Storage: Keep away from heat, flame and sunlight
Steps if Spilled: Remove sources of ignition; ventilate
Steps if spilled: Contain & cover spill with an absorbent
Steps if spilled: Do not allow spill to enter waterways
SECTION 9: SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES CONTINUED
Waste Disposal: Dispose as usual industrial waste, soak up with absorbent materials
Waste Disposal: Must conform to local, state & federal regulations

SECTION 10: SPECIAL PROTECTION INFORMATION
Respiratory Protection: General room ventilation is adequate
Ventilation: Provide adequate cross air circulation
Local Exhaust: Preferable
Mechanical: Acceptance
Special: NIOSH Approved respirator for high vapor
Protective Gloves: Chemical impervious
Eye Protection: Splash glasses
Other Protection: Eyewash station
Work/Hygienic Practices: Practice reasonable care & caution when using ink.

SPECIAL MESSAGE SECTION:
The hazards listed on this MSDS are taken from the MSDS for each of the ingredients in this mixture. In most cases, the maximum form of hazard is represented here. The TLV’s represent the conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. It must be remembered that each individual reacts differently and some may experience discomfort while others do not. This MSDS is presented so that each individual will have the information to deal safely with the use of this product. All materials TSCA listed.

DISCLAIMER SECTION:
Disclaimer of Liability:
As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim all liability for any use of this material. Information contained herein is given in good faith and believed to be true and accurate. But all statements or suggestions are made without any warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or results to be obtained from the use thereof. Information on MSDS supplied by ink manufacturer.