SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Xstamper Refill Ink
Color: (Red)
- CS-10N
- CS-20N
- CS-60N
Xstamper Products
Dyestuff type Xstamper

Company Name: Shachihata Inc.
Address: 4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan
Telephone: +81-52-521-3600
Fax: +81-52-521-3899
Emergency Call: +81-52-521-3600 (Shachihata Inc. [Japan])

Recommended use: Stamp ink

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

Physical Hazards
- Flammable liquids Category 3

Health Hazards
- Serious eye damage / eye irritation Category 2B

Environmental Hazards
Classification not possible

LABEL ELEMENTS

Symbols: 

Signal word: Warning

Hazard statement:
- Flammable liquid and vapour (H226)
- Causes eye irritation (H320)

Precautionary statement

[Prevention]
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking. (P210)
- Take precautionary measures against static discharge. (P243)
- Wear protective gloves/protective clothing/eye protection/face protection. (P280)
- Wash hands thoroughly after handling. (P264)

[Response]
- In case of fire: Use dry chemical powder, form or carbon dioxide for extinction. (P370+P378)
- If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
- If eye irritation persists: Get medical advice/attention. (P337+P313)
- IF SWALLOWED: Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

[Storage]
- Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

[Disposal]
- Dispose of contents/container to waste in accordance with local/regional/national/international regulation (to be specified). (P501)
SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture
Ingredients :

<table>
<thead>
<tr>
<th>Chemical Name / Generic name</th>
<th>Composition weight %</th>
<th>CAS Registry No.</th>
<th>Hazard Class (category)</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1~10</td>
<td>64-17-5</td>
<td>Flam.Liq. 2</td>
<td>H225</td>
</tr>
<tr>
<td>Derivative of vegetable oil</td>
<td>40~50</td>
<td>Confidential</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Glycol class solvent</td>
<td>5~15</td>
<td>Confidential</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>2-(2-butoxyethoxy)ethanol</td>
<td>5~15</td>
<td>112-34-5</td>
<td>Eye Irrit.2A</td>
<td>H319</td>
</tr>
<tr>
<td>Vegetable oil</td>
<td>1~10</td>
<td>Confidential</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Synthetic resin</td>
<td>5~15</td>
<td>Confidential</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Dyestuff</td>
<td>10~20</td>
<td>Confidential</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>total</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4 FIRST-AID MEASURES

IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.

IF ON SKIN : Remove/Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.

IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

IF SWALLOWED : After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor’s treatment (stomach pump) promptly.

SECTION 5 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Dry chemical powder, foam or carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA : Water jet

SPECIFIC EXTINCTION METHOD
- For initial stage extinction, carbon dioxide or dry chemical powder.
- When a fire extends, fire is extinguished by a large amount of water spray.
- Do not discharge extinguishing waters into the aquatic environment.

SPECIAL PROTECTIVE FOR FIRE- FIGHTERS
In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
- Evacuate personnel to safe area. Shut off all sources of ignition.
- No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS
- Do not throw the leakage thing directly into environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP
- In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc., then place in a chemical waste containers.
- In case of large spills, dike and prevent overflow, cover spills with foam, then place in a chemical container using non-sparking tools.

SECONDARY ACCIDENT PREVENTION MEASURE
- All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources)

SECTION 7 HANDLING AND STORAGE

Handling : Use with adequate ventilation.
- Avoid contact with skin, eyes and clothing.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
Do not eat, drink or smoke when using this product.

**Storage**
- Keep containers tightly closed and store in a cool and dry place.
- Keep away from heat and flame, ignition source and sunlight.
- Keep out of the reach of children.

### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMIT**

<table>
<thead>
<tr>
<th>Source</th>
<th>Ethanol</th>
<th>STEL (ppm)</th>
<th>TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH  (2010)</td>
<td>STEL</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL</td>
<td>Ethanol</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>DIRECTIVE 2006/15/EC</td>
<td>2-(2-butoxyethoxy)ethanol</td>
<td>STEL</td>
<td>15 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**PERSONAL PROTECTION**

- **Respiratory Protection**
  - Not required, but wear mask to prevent organic gas, if necessary.
- **Hand Protection**
  - Not required, but wear safety gloves, if necessary.
- **Eye Protection**
  - Not required, but wear safety glasses, if necessary.
- **Skin Protection**
  - Not required, but wear personal protection apron, boots, if necessary.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**
  - red liquid
- **Odour**
  - none
- **pH**
  - Not applicable
- **Boiling point**
  - No data available
- **Flash point**
  - 40 °C (closed cup)
- **Relative Density (at 25°C)**
  - 1.0 (g/cm³)
- **Solubility in Water**
  - Insoluble

### SECTION 10 STABILITY AND REACTIVITY

- **Stability**
  - Stable under normal handling.
- **Conditions to Avoid**
  - High temperature, Direct sunlight, Fire
- **Incompatible Materials**
  - Strong oxidising agents
- **Hazardous Decomposition Products**
  - CO, CO₂

### SECTION 11 TOXICOLOGICAL INFORMATION

- **Acute toxicity**
  - LD/LC50 values that are relevant for classification
    - [Ethanol]
      - Oral rat LD50: 7,060 mg/kg
      - Inhalation rat LC50: 20,000 ppm/10h
    - [2-(2-butoxyethoxy)ethanol]
      - Oral rat LD50: 5,660 mg/kg
      - Dermal rabbit LD50: 2,700 mg/kg
- **Serious eye damage /eye irritation**
  - Category 2B Causes eye irritation
- **Carcinogenicity**
  - Not listed by IARC, EPA, EU, NTP.

### SECTION 12 ECOLOGICAL INFORMATION

- **Hazardous to the aquatic environment (acute)**
  - Classification not possible
- **Hazardous to the aquatic environment (chronic)**
  - Classification not possible
- **Hazardous to the ozone layer**
  - Classification not possible
**SECTION 13  DISPOSAL CONSIDERATIONS**

Disposal must be made according to official regulations.
Comply with all Federal, State, and Local regulations regarding disposal.

**Do not allow product to reach ground, any water course or sewage system.**

**SECTION 14  TRANSPORT INFORMATION**

| **UN number** | (DOT, ADR, IMDG, IATA) | UN1210 |
| **UN proper shipping name** | (DOT, ADR, IMDG, IATA) | PRINTING INK, flammable |
| **UN Classification** | | 3 |
| **Packing group** | (DOT, ADR, IMDG, IATA) | III |
| **Marine pollutant (Y/N)** | | N |
| **EmS number** | | F-E-S-D |

**SECTION 15  REGULATORY INFORMATION**

< EU Information >

Regulation (EC) No 1272/2008 (CLP)

| Substance name | [Ethanol] |
| Hazard Class & Category | Flammable liquids, Category 2 |
| Symbols | GHS02 |
| Signal word | Danger |
| Hazard statements | H225 Highly flammable liquid and vapour |

| Substance name | [2-(2-butoxyethoxy)ethanol] |
| Hazard Class & Category | Eye irritation, Category 2A |
| Symbols | GHS07 |
| Signal word | Warning |
| Hazard statements | H319 Causes serious eye irritation |

Directive 67/548/EEC or 1999/45/EC

| Substance name | [Ethanol] |
| Classification | F: R11 |
| R-Phrase | R11 Highly flammable. |
| S-Phrase | S2 Keep out of the reach of children. |
| | S7 Keep container tightly closed. |
| | S16 Keep away from sources of ignition - No smoking. |

| Substance name | [2-(2-butoxyethoxy)ethanol] |
| Classification | Xi: R36 |
| R-Phrase | R36 Irritating to eyes. |
| S-Phrase | S2 Keep out of the reach of children. |
| | S24 Avoid contact with skin. |
| | S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

Symbols and indications of danger specific |

F : Highly flammable

Xi : Irritation

< USA Information >

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

TSCA STATUS : All components on TSCA INVENTORY.

TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : not Listed

CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : not Listed

SARA TITLE III Section 313 (40 CFR 372) : not Listed

California Proposition 65 (Chemicals known to cause cancer) : not Listed

Refer to any other federal, state, EU, national and local regulations.
SECTION 16 OTHER INFORMATION

This product not contain lead, mercury, cadmium, hexavalent chromium, polybromiated biphenyls (PBB) or polybrominated diphenylethers (PBDE).

This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.