

MATERIAL SAFETY DATA SHEET**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name Xstamper Refill Ink <X-200>
 CS-1N(22011-22013)
 CS-10N(22111-22116)
 CS-20N(22211-22214, 22216)
 CS-60N(22611-22614, 22616)
 (Red) (Black)(Blue) (Green)(Purple*)(Orange)
 *CS-10N(22115) only

General Use Xstamper refill ink
 MSDS Number EX3001A-0101

24 Hour emergency Contact : (800)-424-9300**MANUFACTURER (U.S.A & Japan)**

Company Name Shachihata Inc. (U.S.A.)
 Address 525 Oberlin Avenue, South Lakewood, NJ 08701
 Telephone Number 1 732 370 4770
 Fax Number 1 732 370 3339

Company Name Shachihata Inc. (Japan)
 Address 4-69, Amazuka-cho, 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

Chemical or Common Name(s)	wt. %	CAS(TSCA) Number	EINECS Number
Ethanol	1~10	64-17-5	200-578-6
Ethanol,2-(2-butoxyethoxy)-	5~15	112-34-5	203-961-6

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

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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.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

OSHA PEL (2002)	
[Ethanol]	TWA 1,000ppm (1,900mg/m ³)
ACGIH TLV (2002)	
[Ethanol]	TWA 1,000ppm
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/cm ³)	1.0 g/cm ³
Solubility [Water]	Insoluble

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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 : 2002.3)

[Ethanol]

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

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

Oral	LD ₅₀ (rat)	4,500 mg/kg
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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)	III
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 III: Not applicable

This product is classified as follows ,

[Ethanol]	:	[F]	R:11	S: (2-)7-16
[Ethanol,2-(2-butoxyethoxy)-]	:	[Xi]	R:36	S: (2-)24-26

Symbol :	F	(Highly Flammable)
	Xi	(Irritant)
Risk Phrase :	11	(Highly flammable)
	36	(Irritating to eyes)
Safety Advice :	2	(Keep out of the reach of children.)
	7	(Keep container tightly closed.)
	16	(Keep away from sources of ignition – No smoking.)
	24	(Avoid contact with skin.)
	26	(In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.)

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

16. OTHER INFORMATION

This information is furnished without warranty,express or implied,
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It relates only to the specific material designated herein,and does not relate to
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