Issued: 1 February,2010

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Xstamper Refill Ink <X-200> CS-10N, CS-20N, CS-60N (Black)(Blue)(Red)(Green)(Brown)(Orange)(Purple)(Yellow)(Pink)
General Use	Xstamper refill ink
MSDS Number	EX3001C-0101

MANUFACTURER

Company Name	Shachihata Inc.
Address	4-69,Amazuka-cho,Nishi-ku,Nagoya City,451-0021,Japan
Telephone Number	++ 81 52 521 3600
Fax Number	++ 81 52 521 3899

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 throughly 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 (1994)
[Ethanol] TWA 1,000ppm (1,900mg/m^3)
ACGIH TLV (2003)
[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 ℃
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 : 2004.11)

[Ethanol]			
	Oral	LD_{50} (rat)	7,060 mg/kg
	Inhalation	LC_{50} (rat)	20,000 ppm/10H
	Skin	LDL_0 (rabbit)	20 mg/kg
[Ethanol,2-(2-butoxyethoxy)-]			
	Oral	LD_{50} (rat)	5,660 mg/kg
	Skin	LD_{50} (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)	Ⅲ
UN NUMBER	1210
Proper Shipping Name	Printing ink, flammable

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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

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