

000647

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0022



IDENTITY (As Used on Label and LEL)
Risograph Ink U

Note: Blank spaces are not permitted. If any item is not applicable, or if
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

Riso Kagaku Corp.

Address (Number, Street, City, State, and ZIP Code)

2-20-15**Shimbashi, Minato-Ku, Tokyo 105****Japan**

Emergency Telephone Number

Telephone Number for Information

Date Prepared

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Total)
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Topside 500*0.07%***** Made by****Permacchem Asia Co. Ltd.****1-3-18 Horio macho, Nishi-Shinjuku, Chuo-Ku, Tokyo, Japan**

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (4/4) = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

INSOL

Appearance and Color

oily paste, nearly colorless

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)

N/A

Flammable Limits

LEL

UEL

Extinguishing Media

foam or gas type

Special Fire Fighting Procedures

Ink will not act as a source of ignition, but might burn if involved in—**a fire. The fumes may contain carbon monoxide and should not be inhaled.**

Unusual Fire and Explosion Hazards

none

(Reprintable locally)

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: ☐ Inhalation? ☐ Skin? ☐ Ingestion?

Health Hazards (Acute and Chronic)

NONE

Carcinogenicity:

NTP?

IARC Monographs?

OSHA Regulated?

Signs and Symptoms of Exposure

N/A

Medical Conditions

Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedures

NONE

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case of Release or Spill

Small spills wipe up with tissue paper or cloth. Large spills shovel up then mop with kerosene. Ventilate area.

Waste Disposal Method

As for waste engine oil

Precautions to Be Taken in Handling and Storage

Ink on the skin to be washed out with soap and water. Store out of reach of children

Other Precautions

none

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

N/A

Protective Gloves

Eye Protection

NONE

NONE

Other Protective Clothing or Equipment

NONE

Work Hygiene Practices

none

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U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Manifactory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and U.S.)
Risograph Ink LJ

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Section I

Manufacturer's Name

Riso Kagaku Corp.

Address (Number, Street, City, State, and ZIP Code)

2-20-15

Shinjohashi, Minato-Ku, Tokyo 105

Japan

Emergency Telephone Number

Telephone Number for Information

Date Prepared

Signature of Preparer (optional)

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Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Total)
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***Topside 500**

0.07%

*** Made by**

Permacchem Asia Co. Ltd.

1-3-18 Nishi machi, Nishi-Ku, Tokyo, Japan

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Solubility in Water

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Appearance and Color

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Flash Point (Method Used)

N/A

Flammable Limits

LEL

UEL

Extinguishing Media

foam or gas type

Special Fire Fighting Procedures

Ink will not act as a source of ignition, but might burn if involved in a fire. The fumes may contain carbon monoxide and should not be inhaled.

Unusual Fire and Explosion Hazards

None

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)
NONE

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure N/A

Medical Conditions
Generally Aggravated by Exposure N/AEmergency and First Aid Procedures
NONE

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case of Spill or Leak

Small spills wipe up with tissue paper or cloth. Large spills
shovel up then mop with kerosene. Ventilate area.

Waste Disposal Method As for waste engine oil

Precautions to Be Taken in Handling and Storage Ink on the skin to be washed out with soap and
water. Store out of reach of childrenOther Precautions
NONE

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
N/A		

Protective Gloves

Eye Protection

Other Protective Clothing or Equipment

Work Hygiene Practices

NONE