

75238

RISOGRAPH INK LD

MATERIAL SAFETY DATA SHEET


Identity(As Used on Label and List) : RISOGRAPH INK LD (black/red/blue/brown/green)

SECTION I

Manufacturer's Name : RISO INC.

Emergency Telephone Number : 508-777-7377 Telephone Number for Information : 508-777-7377

Address : 300 Rosewood Drive, Suite 210, Danvers, MA 01923

Date Prepared : June 7, 1994 Signature of Preparer : 

Trade Name and Synonyms : Risograph Ink LD(Item Code) black(S-579), red(S-580), blue(S-585), brown(S-586), green(S-587)

Chemical Name Synonyms : Water/Oil-type Emulsion Ink for Duplicator



SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Identity;Common Name(s)), CAS No.	OSHA(PEL)	ACGIH(TWA)	Other Limits Recommended	%
Petroleum Solvent, CAS No. 64742-55-8. 64742-56-9	5 mg/m ³	5 mg/m ³	Not applicable	ca. 15%
Glycerol, CAS No. 56-81-5	15 mg/m ³	10 mg/m ³	Not applicable	
Carbon black, CAS No. 1333-86-4	3.5mg/m ³	3.5mg/m ³	Not applicable	
Non-hazardous components				
Water, CAS No. 7732-18-5	None	None	Not applicable	ca. 60%
Others	None	None	Not applicable	

SECTION III - Physical / Chemical Characteristics

Boiling Point: 212 ° F/ 100° C	Specific Gravity(H ₂ O = 1): 1.00-1.02
Vapor Pressure(mm Hg): Not determined	Melting Point: < 0° C
Vapor Density(AIR = 1): Not applicable	Evaporation Rate: (Butyl Acetate = 1) Not applicable
Solubility in Water: Negligible	pH Value: Not applicable
Appearance and Odor: Extremely viscous colored liquid with slight odor	

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SECTION IV - Fire and Explosion Hazard Data

Flash Point:	Not applicable	Flammable Limits: LEL	NA	UEL	NA
		Not applicable			
Extinguishing Media: Carbon dioxide, Dry chemical, Foam, Water spray					
Special Fire Fighting Procedures: Not in particular. RISOGRAPH INK is not combustible.					
Unusual Fire and Explosion Hazards: No unusual fire and explosion hazards.					

SECTION V - Reactivity Data

Stability	Unstable _____	Conditions to Avoid:	Not applicable
	Stable <u> x </u>		
Incompatibility(Materials to Avoid) : Strong oxidizing agents			
Hazardous Decomposition or Byproducts : None			
Hazardous	May Occur _____	Conditions to Avoid:	Not applicable
Polymerization	Will Not Occur <u> x </u>		

SECTION VI - Health Hazard Data

Route(s) of Entry :	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards(Acute and Chronic):			
Inhalation	: Not expected to be acutely toxic by inhalation.		
Skin	: Expected to cause no more than minor irritation. Prolonged or frequent skin contact may be harmful.		
Eyes	: Expected to cause no more than minor irritation.		
Skin Absorption	: Not information available.		
Ingestion	: Not expected to be acutely toxic by ingestion.		
Carcinogenicity:	NTP? No	IARC Monographs? Yes	OSHA Regulated? No
Petroleum solvent known as mineral oil is listed carcinogenic in IARC Monograph.			
Signs and Symptoms of Exposure:			
High vapour concentrations are a little irritating to eyes and the respiratory tract.			
Medical conditions Generally Aggravated by Exposure: Not known			
Emergency and First Aid Procedure :			
Eye Contact	: Flush with plenty of water for at least 15 minutes.		
Inhalation	: Remove affected person to fresh air immediately.		

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SECTION VII - Precautions for Safe Handling and Storing

Steps to Be Taken in Case Material Is Released or Spoiled:
Spills should be wiped up with cloth or paper.

Waste Disposal Method:
Incineration is preferable. Observe all Federal, state and local regulations concerning health and environmental pollution.

Precautions to Be Taken in Handling and Storing: Not in particular. In order to keep ink efficiency, store at the temperature 41 ~86° F(5 ~30° C)

Other Precautions: Not in particular

SECTION VIII - Control Measures

Respiratory Protection(Specify Type): Preferable in case of handling a large amount

Ventilation	Local Exhaust	: Not required	Special:	Not applicable
	Mechanical(General):	Preferable	Other:	Not applicable

Protective Gloves: Not normally required **Eye Protection:** Not normally required

Other Protective Clothing or Equipment: Not in particular

Work/Hygenic Practices : Not applicable
