

PRODUCT NAME : RISO GRAPH CR INK <see section="" separate=""> MANUFACTURER NAME: RISO KAGAKU CORPORATION NAME: SISO KAGAKU CORPORATION INDRESS: 5-34-7 SHIBA, MINATO-KU TOKYO, 108 - 8385, JAPAN TELEPHONE NUMBER: 81 (3) 5441 - 6611 DISTRIBUTOR ISIO RCS. (SIGNATURE: () NAME: RISO INC. (SIGNATURE: () ODRESS: 300 ROSEWOOD DRIVE SUITE 210, DANVERS MA 01923 U.S.A. TELEPHONE NUMBER: (978) 777 - 7377 Section 2 - CUPPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE / MIXTURE: Mixture (Preparation) CHEMICAL, NATURE: Water-in-Oil-ype emulsion COMPONENTS: Section 3 - HAZARDS IDENTIFICATION POTENTIAL HEALTH EFFECTS: EYE: May cause slight irritating. SKIN: May cause slight irritating. SKIN: May cause addominal discomfort, nausea. INHEALTION: Vapour or mist in unusually high concentrations generated from heating this ink, or as from exposure in poorly ventilated areas, may cause slight irritating. SKIN: INTEGETION: <td c<="" th=""><th colspan="5">Section 1 - PRODUCT AND COMPANY IDENTIFICATION</th></td></see>	<th colspan="5">Section 1 - PRODUCT AND COMPANY IDENTIFICATION</th>	Section 1 - PRODUCT AND COMPANY IDENTIFICATION				
NMME:: RISO KAGAKU CORPORATION ADDRESS: 5-34-7 SHIBA, MINATO-KU, TOKYO, 108 - 8385, JAPAN TELEPHONE NUMBER: 81 (3) 5441 - 6611 DISTRIBUTOR ISIGNATURE:) NAME: RISO INC. (SIGNATURE:)) ADDRESS: 300 ROSEWOOD DRIVE SUITE 210, DANVERS MA 01933 U.S.A. TELEPHONE NUMBER: (978) 777 - 7377 Section 2 - COMPOSEWOOD DRIVE SUITE 210, DANVERS MA 01933 U.S.A. TELEPHONE NUMBER: (978) 777 - 7377 Section 2 - COMPOSEWOOD DRIVE SUITE 210, DANVERS MA 01933 U.S.A. TELEPHONE NUMBER: (978) 777 - 7377 SUBSTANCE / MIXTURE: (978) 777 - 7377 SUBSTANCE / MIXTURE: Water-in-Oil-type emulsion COMPONENTS: <58e separate section> SUBSTANCE / MIXTURE: Mature (Preparation) COMPONENTS: <58e separate section> SUBSTANCE / MIXTURE: May cause slight irritating. SKIN: May cause slight irritating. SECTION: May cause slight irritating. INFALLTON: May cause addominal discomfort, nausea. INFALSTIO	PRODUCT NAME :	RISOGRAPH CR INK <see section="" separate=""></see>				
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Section 6 – ACCIDENTAL RELEASE MEASURES			
PERSONAL PRECAUTIONS:	TIONS: Ventilate the area until material is completely picked up.		
ENVIRONMENTAL PRECAUTIONS	DNMENTAL PRECAUTIONS: Do not empty into the drains.		
METHOD OF CLEANING UP:	Shovel up, then wipe up with cloth or paper.		
	Section 7 – HANDLING AND STORAGE		
HANDLING:			
TECHNICAL MEASURES:	Use only in the well-ventilated areas.		
SAFE HANDLING ADVICE:	Avoid contact with skin. Use only with cartridge (bottle).		
STORAGE:			
STORAGE CONDITIONS:	Store at 5 - 35 °C and protect from sunlight.		
PACKAGING MATERIAL:	Only original cartridge (bottle).		
Section 8 - E	EXPOSURE CONTROLS / PERSONAL PROTECTION		
ENGINEERING MEASURES:	Good general ventilation should be sufficient for most conditions.		
EXPOSURE GUIDELINES:	<see section="" separate=""></see>		
PERSONAL PROTECTIVE EQUIPM	IENT:		
RESPIRATORY PROTECTION	: Not normally required		
HAND PROTECTION:	Recommend the use of gloves in case of contact with skin.		
EYE PROTECTION:	Not normally required		
SKIN AND BODY PROTECTION	N: Not normally required		
Sectior	9 – PHYSICAL AND CHEMICAL PROPERTIES		
PHYSICAL STATE:	Paste		
ODOR:	Slight petroleum odor		
PH:	Not applicable		
BOILING POINT:	>= 100 °C		
MELTING POINT:	<= 0 °C		
OXIDISING PROPERTIES:	Not applicable		
DENSITY:	1.00 - 1.12		
WATER SOLUBILITY:	Negligible		
Section 10 – STABILITY AND REACTIVITY			
STABILITY:	This product is considered a stable material under normal storage and		
	handling conditions.		
CONDITION TO AVOID:	Avoid exposure to high temperatures.		
MATERIALS TO AVOID:	Strong oxidising agents		
HAZARDOUS DECOMPOSITION PRODUCTS:			
	None		



MATERIAL SAFETY DATA SHEET

	Section 11 – TOXICOLOGICAL INFORMATION			
ACUTE ORAL TOXICITY:	LD50 >= 5000mg/kg (rat)			
ACUTE EYE IRRITATION:	May cause slight irritating.			
ACUTE SKIN IRRITATION:	May cause slight irritating. P.I.I. <= 2.0			
MUTAGENICITY:	Negative in the Ames test			
SKIN SENSITISATION:	Frequent or prolonged contact may cause skin sensitisation			
CARCINOGENICITY:	Carbon black is listed group 2B (possibly carcinogenic to humans) in IARC			
	Monograph, 65. (However, IARC Monograph, 65 also indicates "exposures to			
	carbon black in the use of printing ink, rubber or paint are negligible.")			
	Petroleum solvent listed group 3 in IARC Monograph, 33, 45.			
*These information are base	ed on toxicity data for similar materials and ingredients.			
	Section 12 – ECOLOGICAL INFORMATION			
	No data available			
	Section 13 – DISPOSAL CONSIDERATIONS			
METHOD OF DISPOSAL:	Burn in an adequate incinerator or bury in landfill in accordance with all			
	applicable regulations. Any disposal practice must be in compliance with			
	local, state and federal laws and regulations.			
	Material of ink-cartridge (bottle) are polypropylene (PP) and high-density			
	polyethylene (HDPE).			
	Section 14 – TRANSPORT INFORMATION			
RID/ADR:	No classification available			
ADNR:	No classification available			
IMDG CODE:	No classification available			
ICAO/IATA-DGR:	No classification available			
UN NUMBER:	No classification available			
	Section 15 – REGULATORY INFORMATION			
	cation Standard, 29CFR 1910.1200 :			
•	considered hazardous under this standard.			
•	TSCA (Toxic Substance Control Act) :			
	nces in these products are listed in TSCA chemical substance inventory.			
NTP (National Toxicology Program).				
This product contains no chemical substances classed carcinogenicity.				
ACGIH (American Conference of Governmental Industrial Hygienists) :				
This product contains no chemical substances classed carcinogenicity.				
IARC (International Agency for Research on Cancer) : Carbon black and petroleum solvent (known as mineral oil) are listed in IARC Monograph (refer to				
Section 11).	serviceum solvent (known as mineral oil) are listed in IARC Monograph (refer to			
WHMIS (Workplace Hazardous Materials Information System)				
This product is not considered a controlled product under this System.				
	Section 16 - OTHER INFORMATION			
NFPA RATING (U.S.A.):				
· · · ·	Flammability = 1 Reactivity = 0			

The information herein is given in good faith, but no warranty, express or implies, is made. Please consult RISO INC. for further information.



Section 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (ITEM CODE): RISOGRAPH CR INK / U BLACK (S-2488)

Section 2 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS:

	CAS No.	wt%
	64742-55-8	< 10
Petroleum solvent	64742-47-8	
Glycerol	56-81-5	< 10
Carbon black (pigment)	1333-86-4	< 10
Organic pigment(s)	Registered	
Alkyd resin	Registered	
Water	7732-18-5	

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDLINES:

	CAS No.	ACGIH TLV	OSHA PEL
Petroleum solvent	64742-55-8	5 mg/m ³ *1	5 mg/m ³ *1
Glycerol	56-81-5	10 mg/m ³	15 mg/m ³
Carbon black (pigment)	1333-86-4	3.5 mg/m ³	3.5 mg/m ³
	*1 : as mineral oil mists		



Section 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES (ITEM CODE): RISOGRAPH CR INK BROWN (S-2492)

Section 2 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS:

	CAS No.	wt%
Detroloum onlyant	64742-46-7	< 5
Petroleum solvent	64742-47-8	
Soybean oil	8001-22-7	< 6
Glycerol	56-81-5	< 10
Carbon black (pigment)	1333-86-4	< 1
Organic pigment(s)	Registered	
Alkyd resin	Registered	
Water	7732-18-5	

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDLINES:

	CAS No.	ACGIH TLV	OSHA PEL
Petroleum solvent	64742-46-7	5 mg/m ³ *1	5 mg/m ³ *1
Glycerol	56-81-5	10 mg/m ³	15 mg/m ³
Carbon black (pigment)	1333-86-4	3.5 mg/m ³	3.5 mg/m ³
	*1 : as mineral oil mists		



Section 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES (ITEM CODE):	RISOGRAPH CR INK RED (S-2489)
	RISOGRAPH CR INK BLUE (S-2490)
	RISOGRAPH CR INK GREEN (S-2491)
	RISOGRAPH CR INK YELLOW (S-2493)
	RISOGRAPH CR INK BRIGHT RED (S-2494)

Section 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS:

	CAS No.	wt%
Defealer achieved	64742-46-7	< 5
Petroleum solvent	64742-47-8	
Soybean oil	8001-22-7	< 6
Glycerol	56-81-5	< 10
Organic pigment(s)	Registered	
Alkyd resin	Registered	
Water	7732-18-5	

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDLINES:

	CAS No.	ACGIH TLV	OSHA PEL
Petroleum solvent	64742-46-7	5 mg/m ³ *1	5 mg/m ³ *1
Glycerol	56-81-5	10 mg/m ³	15 mg/m ³
	*1 : as mineral oil mists		