

Product identifier			
PRODUCT NAME (ITEM CODE):	RISO INK CZ type BLACK	(S-4877)	
	RISO INK CZ type RED (S		
	RISO INK CZ type BLUE (		
	RISO INK CZ type GREEN		
	RISO INK CZ type YELLO	. ,	
	chemical and restrictions on us	e;	
RELEVANT IDENTIFIED USES:	INK for Digital Duplicator		
Company identification MANUFACTURER:	RISO KAGAKU CORPORAT		
MANUFACIURER.		u, Tokyo, 108-8385, JAPA	N
	TEL: 81 (3) 5441-6611	u, Tokyo, Too-0000, JAI P	M N
SUPPLIER:	RISO, INC.		
		1, Woburn, MA 01801-210	05 USA
	TEL: (978) 777-7377	.,	
Section 2 : Hazards ide	· ·		
		4040 4000/cl/s	
Jassification of the chemic	cal in accordance with 29 CFR	1910.1200(d):	
Label elements	Not classified		
	Not required		
HAZARD PICTOGRAMS:	Not required Not required.		
SIGNAL WORD: HAZARD STATEMENTS:	Not required		
PRECAUTIONARY STATEMENTS:			
FRECAUTIONART STATEMENTS.	Not required		
Hazards not otherwise class	sified (HNOC)		
Hazards not otherwise clas			
Hazards not otherwise clas	Not classified		
		its	
Section 3 : Compositio Mixture:	Not classified	its	
Section 3 : Compositio	Not classified n/information on ingredier		wr <sup>6</sup> /c
Section 3 : Compositio Mixture:	Not classified	CAS No.	wt%
Section 3 : Compositio Mixture:	Not classified n/information on ingredier Chemical name	CAS No. 64742-55-8	
Section 3 : Compositio Mixture:	Not classified n/information on ingredier	CAS No. 64742-55-8 64742-53-6	
Section 3 : Compositio Mixture:	Not classified n/information on ingredier Chemical name Petroleum solvent	CAS No. 64742-55-8 64742-53-6 64742-52-5	< 15
Section 3 : Compositio Mixture:	Not classified n/information on ingredier Chemical name Petroleum solvent Glycerol	CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5	< 15 < 10
Section 3 : Compositio	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment)	CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4	< 15 < 10 < 10
Section 3 : Compositio Mixture:	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin	CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret	< 15 < 10 < 10 Trade secret
Section 3 : Compositio	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment)	CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4	< 15 < 10 < 10
Section 3 : Compositio Mixture:	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water	CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret	< 15 < 10 < 10 Trade secret
Section 3 : Compositio Mixture: BLACK	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water	CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret	< 15 < 10 < 10 Trade secret
Section 3 : Compositio Mixture: BLACK	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW	CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5	< 15 < 10 < 10 Trade secret Trade secret
Section 3 : Compositio Mixture: BLACK	Not classified         n/information on ingredien         Chemical name         Petroleum solvent         Glycerol         Carbon black (pigment)         Alkyd resin         Water         LLOW         Chemical name         Soybean oil	CAS No.           64742-55-8           64742-53-6           64742-52-5           56-81-5           1333-86-4           Trade secret           7732-18-5           CAS No.	< 15 < 10 < 10 Trade secret Trade secret wt%
Section 3 : Compositio Mixture: BLACK	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name	CAS No.           64742-55-8           64742-53-6           64742-52-5           56-81-5           1333-86-4           Trade secret           7732-18-5           CAS No.           8001-22-7	< 15 < 10 < 10 Trade secret Trade secret wt% < 6
Section 3 : Compositio Mixture: BLACK	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil Petroleum solvent	CAS No.           64742-55-8           64742-53-6           64742-52-5           56-81-5           1333-86-4           Trade secret           7732-18-5           CAS No.           8001-22-7           64742-46-7           64742-47-8	< 15 < 10 < 10 Trade secret Trade secret wt% < 6 < 5
Section 3 : Compositio Mixture: BLACK	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil Petroleum solvent Glycerol	CAS No.           64742-55-8           64742-53-6           64742-52-5           56-81-5           1333-86-4           Trade secret           7732-18-5           CAS No.           8001-22-7           64742-46-7           64742-47-8           56-81-5	< 15 < 10 < 10 Trade secret Trade secret wt% < 6 < 5 Trade secret < 10
Section 3 : Compositio Mixture: BLACK	Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil Petroleum solvent Glycerol Organic pigment(s)	CAS No.           64742-55-8           64742-53-6           64742-52-5           56-81-5           1333-86-4           Trade secret           7732-18-5           CAS No.           8001-22-7           64742-46-7           64742-47-8           56-81-5           Trade secret	< 15 < 10 < 10 Trade secret Trade secret wt% < 6 < 5 Trade secret < 10 Trade secret
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#### Section 4 : First-aid measures



<b>D</b>				
Description of first aid measu				
INHALATION:	If you feel unwell, mov medical advice.	e from the contam	ination immediately	to fresh air and seel
	In case of contact w	ith over rince imp	nodiately with plants	, of water and cool
EYE CONTACT:	medical advice.	illi eyes, illise illi	neulately with plenty	o i water and see
SKIN CONTACT:	After contact with skin	wash immediately	with plenty of water	using a mild soap
INGESTION:	If swallowed, do not in	-		using a mild soap.
Most important symptoms/effe		-		
	lo further relevant inform			
Indication of any immediate m	nedical attention and sp	pecial treatment ne	eeded:	
١	lo further relevant inform	ation available.		
Section 5 : Fire-fighting n	neasures			
	Vater, CO <sub>2</sub> , foam, dry cho	emical powder, dry	sand	
Special hazards arising from t	-			
•	Nay produce toxic fumes		Ox	
Advice for fire-fighters: 7	his ink does not act as a	source of ignition, b	out might burn if expo	osed to a fire.
Section 6 : Accidental rel	ease measures			
Personal precautions, protect	ve equipment and eme	ergency procedure	es:	
	/entilate the area until ma	• • •		
Environmental precautions: [	o not empty into the drai	ns.		
Methods and material for con-	tainment and cleaning	up:		
S	Shovel up, then wipe up w	ith cloth or paper.		
Section 7 : Handling and	l storage			
Precautions for safe handling	U U			
Ŭ	Ise only in the well-ventil	ated areas.		
	void contact with skin. U		je.	
Conditions for safe storage, ir			-	
S	Store at 5 - 35 °C and pro	tect from sunlight.		
ŀ	keep the ink out of reach	of children.		
(	Only original cartridge.			
Section 8 : Exposure con	trols/personal prote	ection		
Control parameters:				
OCCUPATIONAL EXPOSURE	GUIDELINES:			
		CAS No.	OSHA PEL	ACGIH TLV
		64742-55-8		
		64742-53-6		
	Petroleum solvent	64742-52-5	5 mg/m³ *	5 mg/m <sup>3</sup> *
		64742-46-7		
	Glycerol	56-81-5	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
	Carbon black	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>
			* : as mineral o	
Appropriate engineering contr	ols:			
	Good general ventilation	should be sufficien	t for most conditions	



Individual protection measures, such as protective equipment:	
<b>RESPIRATORY PROTECTION:</b>	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 :	Not normally required

### Section 9 : Physical and chemical properties

Physical state:	Paste
Odor:	Slight petroleum odor
pH:	Not applicable
Melting point/freezing point:	< 0 °C
Boiling point:	> 100 °C
Flash point:	None (Closed cup)
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper/lower flammability:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	1.00 - 1.12
Solubility:	WATER SOLUBILITY: Negligible
Partition coefficient:	No data available
Auto-ignition temperature:	> 400 °C
Decomposition temperature	: No data available
Viscosity:	No data available

#### Section 10 : Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under normal storage and handling conditions.
Possibility of hazardous re	actions:
	No data available
Conditions to avoid:	Avoid exposure to high temperatures.
Incompatible materials:	Strong oxidising agents
Hazardous decomposition	products:
	None

## Section 11 : Toxicological information

Information on toxicologica	al effects
ACUTE ORAL TOXICITY:	LD50 >2000mg/kg (rat)
ACUTE EYE IRRITATION:	May cause slight irritation.
ACUTE SKIN IRRITATION:	May cause slight irritation.
MUTAGENICITY:	Negative in the Ames test
CARCINOGENICITY:	Carbon black is listed as Class 2B (Possible human carcinogen) by IARC.
	However, IARC Monograph 93 also indicates "exposure to carbon black does not
	occur during the use of products in which carbon black is bound to other materials,
	such as rubber, printing ink or paint."
	None of the other ingredients in this product are listed by IARC, NTP, MAK, OSHA
	or ACGIH as a carcinogen. None of the other ingredients have been classified as
	carcinogens according to EU, IARC, MAK, NTP or OSHA.
*These information are based	on toxicity data for similar materials and ingredients.
Section 12 : Ecologica	I information



# SAFETY DATA SHEET

r	
TOXICITY TO FISH:	Oryzias latipes LC <sub>50</sub> -96h > 100mg/L
AQUATIC INVERTEBRATES:	Daphnia magna EC <sub>50</sub> -48h > 100mg/L
AQUATIC PLANTS:	Algae $ErC_{50}$ -72h > 100mg/L
Persistence and degradabili	-
	No information available.
Bioaccumulative potential:	No information available.
Mobility in soil:	No information available.
Other adverse effects:	No information available.
* This information is based	on toxicity data for similar materials and ingredients.
Section 13 : DISPOSAL	CONSIDERATIONS
Waste treatment methods:	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.
	Ink Cartridge (bottle) material is plastic(polypropylene/polyethylene).
	Label material is plastic (metal included).
Section 14 : TRANSPO	RT INFORMATION
UN number:	Not regulated
UN proper shipping name:	Not regulated
Transport hazard class(es):	Not regulated (DOT, IMDG, IATA)
Packing group:	Not regulated
Environmental hazards:	Not regulated
Transport in bulk according	to Annex II of MARPOL73/78 and the IBC Code:
	Not regulated
Section 15 : REGULAT	ORY INFORMATION
US Federal regulation:	
TSCA (Toxic Substance Co	ontrol Act) :
	All chemical substances in these products are listed or exempted in TSCA chemical
	substance inventory.
Clean Air Act Section 112	Hazardous Air Pollutants(HAPs):
	Not listed
SARA Section 313 (40 CFF	₹ 372.65) :
	Not listed
CERCLA (40 CFR 302.4):	Not listed
Section 16 : OTHER IN	FORMATION
Issue date:	01/09/2008
Revision date:	09/25/2020
SDS No.(Version No):	CZI000U-05
The information herein	is given in good faith, but no warranty, express or implies, is made.
	INC. for further information.