

## Section 1 : Identification

## Product identifier

PRODUCT NAME RISO INK FII TYPE HD BLACK E / UA / RS  
ITEM CODE: S-8134E / S-8134UA / S-8134RS

## Recommended use of the chemical and restrictions on use;

RELEVANT IDENTIFIED USES: INK for Digital Duplicator

## Company identification

MANUFACTURER: RISO KAGAKU CORPORATION  
5-34-7 Shiba, Minato-ku, Tokyo, 108-8385, JAPAN  
TEL: 81 (3) 5441-6611

SUPPLIER:

## Section 2 : Hazards identification

GHS Classification : Not classified

## GHS Label elements

HAZARD PICTOGRAMS: Not required  
SIGNAL WORD: Not required.  
HAZARD STATEMENTS: Not required  
PRECAUTIONARY STATEMENTS: Not required

## Section 3 : Composition/information on ingredients

## Mixtures:

Chemical name	CAS No.	wt%
Petroleum solvent	64742-55-8	5-15
	64742-53-6	
	64742-47-8	
Rice bran oil	68553-81-1	5-15
Carbon black	1333-86-4	0-10
Glycerol	56-81-5	0-5
Alkyd resin	Trade secret	Trade secret
Water	7732-18-5	Trade secret

## Section 4 : First-aid measures

## Description of first aid measures

INHALATION: If you feel unwell, move from the contamination immediately to fresh air and seek medical advice.  
EYE CONTACT: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
SKIN CONTACT: After contact with skin, wash immediately with plenty of water using a mild soap.  
INGESTION: If swallowed, do not induce vomiting and seek medical advice.

## Most important symptoms/effects, acute and delayed:

No further relevant information available.

## Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

**Section 5 : Fire-fighting measures**

Extinguishing media: Water, potassium carbonate mist, CO<sub>2</sub>, foam, dry chemical powder, dry sand  
 Special hazards arising from the substance or mixture:  
     Fire could cause thick and black smoke.  
     Toxic products, CO and CO<sub>2</sub>, could be formed by thermal decomposition.  
 Advice for fire-fighters: This ink does not act as a source of ignition, but might burn if exposed to a fire.

**Section 6 : Accidental release measures**

Personal precautions, protective equipment and emergency procedures:  
     Ventilate the area until material is completely picked up.  
 Environmental precautions: Do not empty into the drains.  
 Methods and material for containment and cleaning up:  
     Shovel up, then wipe up with cloth or paper.

**Section 7 : Handling and storage**

Precautions for safe handling:  
     Use only in the well-ventilated areas.  
     Avoid contact with skin. Use only with cartridge.  
 Conditions for safe storage, including any incompatibilities:  
     Store at 5 - 35 °C and protect from sunlight  
     Keep the ink out of reach of children.  
     Only original cartridge.

**Section 8 : Exposure controls/personal protection**

Control parameters:  
 OCCUPATIONAL EXPOSURE GUIDELINES:

	CAS No.	OSHA PEL	ACGIH TLV
Petroleum solvent	64742-55-8	5 mg/m <sup>3</sup> *1	5 mg/m <sup>3</sup> *1
	64742-53-6		
	64742-47-8		
Glycerol	56-81-5	15 mg/m <sup>3</sup> *2	10 mg/m <sup>3</sup> *2
Carbon black	1333-86-4	3.5 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>

\*1 : as mineral oil (CAS No.8012-95-1) mists  
 \*2 : total dust of mists

Appropriate engineering controls:  
     Good general ventilation should be sufficient for most conditions.

Individual protection measures, such as protective equipment:

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 : Not normally required

**Section 9 : Physical and chemical properties**

Physical state: Paste  
 Odor: Slight characteristic 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 -1.20g/cm <sup>3</sup> (23 °C)
Solubility:	WATER SOLUBILITY: Insoluble
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 reactions:	No data available
Conditions to avoid:	Avoid direct sunlight and high temperatures.
Incompatible materials:	Halogens, strong acid, alkalis, oxidizing agents
Hazardous decomposition products:	Thermal decomposition products: CO, CO <sub>2</sub> . No decomposition if used for the intended uses.

**Section 11 : Toxicological information**

Information on toxicological effects	
ACUTE ORAL TOXICITY	LD50 > 2000mg/kg (rat) *
ACUTE SKIN IRRITATION:	May cause slight irritation.*
ACUTE EYE IRRITATION:	May cause slight irritation.*
MUTAGENICITY:	Negative in the Ames test*
CARCINOGENICITY:	Carbon black are 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.
ASPIRATION HAZARDS:	Low risk of aspiration due to high viscosity.
<i>*These information are based on toxicity data for similar materials and ingredients.</i>	

**Section 12 : Ecological information**

Ecotoxicity:	Not classified*
Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Mobility in soil:	No information available.
Other adverse effects:	No information available.
<i>*This information is based on toxicity data for similar materials and ingredients.</i>	

**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
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and regulations.

Ink Cartridge (bottle) material is plastic (polypropylene/polyethylene).

Label material is plastic (metal included).

**Section 14 : Transport 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 : Regulatory information****Japanese Existing and New Chemical Substances (ENCS)**

All chemical substances in these products are listed on the ENCS list, have been registered, or are exempt.

**Toxic Substances Control Act Chemical Substance Inventory (TSCA Inventory)**

All chemical substances in these products are listed on the TSCA chemical substance inventory, have been registered, or are exempt.

**Australian Inventory of Chemical Substances List (AICS)**

All chemical substances in these products are listed on the AICS list, have been registered, or are exempt.

**Section 16 : Other information**

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