

**Section 1 : Identification**

Product identifier

PRODUCT NAME: RISO INK F II type BLACK / E / U / UA / AG  
ITEM CODE: S-8113 / S-8113E / S-8113U / S-8113UA / S-8113AG

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: RISO LATIN AMERICA, INC.  
13680 NW 5th Street, Suite 100 - Sunrise, FL 33325, U.S.A.  
Tel: +1 (954) 499-7476

**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**

Mixture:

Chemical name	CAS No.	wt%
Petroleum solvent	64742-55-8 64742-53-6	< 15
Rice bran oil	68553-81-1	>= 6
Glycerol	56-81-5	< 10
Carbon black (pigment)	1333-86-4	< 10
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, CO<sub>2</sub>, foam, dry chemical powder, dry sand  
 Special hazards arising from the substance or mixture:  
 May produce toxic fumes of CO, CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub>  
 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 64742-53-6	5 mg/m <sup>3</sup> *1	5 mg/m <sup>3</sup> *1
Glycerol	56-81-5	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Carbon black (pigment)	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

\*1 : as mineral oil 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 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:	0.99 - 1.20
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 reactions:	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 toxicological effects

ACUTE ORAL TOXICITY:	LD50 >2000mg/kg (rat)
ACUTE EYE IRRITATION:	No data available
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 65 also indicates "exposures to carbon black in the use of printing ink, rubber or paint are negligible."  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 : Ecological information**

Ecotoxicity: No information available.  
 Persistence and degradability: No information available.  
 Bioaccumulative potential: No information available.  
 Mobility in soil: No information available.  
 Other adverse effects: No information available.

**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 : TRANSPORT INFORMATION**

UN number: Not regulated  
 UN proper shipping name: Not regulated  
 Transport hazard class(es): Not regulated (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.  
 Korean Existing Chemicals List (ECL)  
 All chemical substances in these products are listed on the ECL list, 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**

Issue date: 18/12/2018  
 Revision date: 24/04/2019  
 SDS No.(Version No): RF2I001G-01

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