



# MATERIAL SAFETY DATA SHEET

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DATE PREPARED: 8/18/2010  
MSDS No.: COMRI001U-00

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ComColor INK Cartridge R BLACK  
ITEM CODE: S-6308G  
MANUFACTURER  
NAME: RISO KAGAKU CORPORATION  
ADDRESS: 5-34-7 SHIBA, MINATO-KU, TOKYO, 108-8385, JAPAN  
TELEPHONE NUMBER: 81 (3) 5441-6611  
DISTRIBUTOR  
NAME: RISO, INC.  
ADDRESS: 300 ROSEWOOD DRIVE SUITE 210, DANVERS, MA 01923 U.S.A.  
TELEPHONE NUMBER: (978) 777-7377

## Section 2 - COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE / MIXTURE: Mixture (Preparation)

COMPONENTS:

	CAS No.	Wt%
Petroleum solvent	64742-46-7	< 45
Carbon black	1333-86-4	< 10
Fatty acid ester	Trade secret	Trade secret
High alcohol	Trade secret	Trade secret
Polymeric amide	Trade secret	Trade secret

## Section 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYE: May cause slight irritation.  
SKIN: May cause slight irritation.  
INHALATION: Vapour or mist in unusually high concentrations generated from heating this ink, or as from exposure in poorly ventilated areas, may cause irritation of the nose and throat, headache, and nausea.  
INGESTION: May cause abdominal discomfort, nausea.

## Section 4 - FIRST-AID MEASURES

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



## Section 5 - FIRE-FIGHTING MEASURES

FLASH POINT: > 120 °C (Cleveland Open-cup)  
AUTOIGNITION TEMPERATURE: > 200 °C  
EXPLOSION PROPERTIES: Not applicable  
EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical powder, foam, dry sand  
SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:  
No classed as flammable.  
Combustion will evolve toxic and irritating vapours.  
HAZARDOUS COMBUSTION PRODUCTS:  
CO, CO<sub>2</sub>, smoke

## Section 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ventilate the area until material is completely picked up.  
ENVIRONMENTAL 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.  
STORAGE:  
STORAGE CONDITIONS: Store at 5 - 35 °C and protect from sunlight.  
Keep the ink out of reach of children.  
PACKAGING MATERIAL: Only original cartridge.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES: Good general ventilation should be sufficient for most conditions.  
EXPOSURE GUIDELINES:

	ACGIH TLV	OSHA PEL
Petroleum solvent	5 mg/m <sup>3</sup> *1	5 mg/m <sup>3</sup> *1
Carbon black	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

\*1 : as mineral oil mists

PERSONAL 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



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## **Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Black liquid  
ODOR: Slight petroleum odor  
PH: Not applicable  
BOILING POINT: > 200 °C  
MELTING POINT: < 0 °C  
OXIDISING PROPERTIES: Not applicable  
DENSITY: 0.86  
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

## **Section 11 - TOXICOLOGICAL INFORMATION**

ACUTE ORAL TOXICITY: LD50  $\geq$  2500mg/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 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, ARC, MAK, NTP or OSHA.

*\*These information are based on toxicity data for similar materials and ingredients.*

## **Section 12 - ECOLOGICAL INFORMATION**

ECOTOXICITY:  
FISH TOXICITY: Oryzias latipes LL50-96h > 100mg/l

*\* This information is based on toxicity data for similar materials and ingredients.*

## **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.



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## Section 14 - TRANSPORT INFORMATION

RID/ADR:	Not applicable
ADNR:	Not applicable
IMDG CODE:	Not applicable
ICAO/IATA-DGR:	Not applicable
UN NUMBER:	Not applicable

## Section 15 - REGULATORY INFORMATION

OSHA Hazard Communication Standard, 29CFR 1910.1200 :

This product is not considered hazardous under this standard.

TSCA (Toxic Substance Control Act) :

All chemical substances in these products are listed in TSCA chemical substance inventory.

ACGIH (American Conference of Governmental Industrial Hygienists) :

This product contains no chemical substances classed carcinogenicity.

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.):

Health = 0

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.