

Safety Data Sheet (ISO form)

Date Prepared 11/09/2006

1. Product and Company Identification

Product Name **Print Cartridge GC21C (RICOH)**

Company Name : Ricoh Company, Ltd.

Department :

Address :

Telephone Number :

Emergency Telephone Number :

Telefax Number :

2. Composition/Information on Ingredients

Substance or Preparation

Preparation

Chemical Nature

Ingredients	CAS.No.	Contents(%)
Organic Pigment(Copper compound)	Confidential	<10
Glycol	Confidential	20-30
Glycerin	56-81-5	<10
Water	7732-18-5	45-75

3. Hazards Identification (Most Important Hazard)

Adverse Human Health Effects

Not applicable in normal use.

Carcinogenicity

This product does not contain the carcinogenic substances which are listed in NTP , IARC and are regulated by OSHA.

Environmental Effects

not available

Physical and Chemical Hazards

Not applicable in normal use.

The Classification of The Chemical Product

Not applicable

4.First-Aid Measures

Inhalation

[Not applicable.](#)

Skin Contact

[After contact with skin, wash immediately with soap and water.](#)

Eye Contact

[In case of contact with eyes, rinse immediately with plenty of water and consult a doctor.](#)

Ingestion

[If swallowed, drink high-density salt solution to induce vomiting and consult a doctor.](#)

5.Fire-Fighting Measures

Extinguishing Media

[No special fire protecting agent is required.](#)

Specific Method

[No special fire protecting method is required.](#)

6.Accidental Release Measures

Personal Precautions

[Remove contaminated clothing and launder or dry-clean before wearing.](#)

Environment Precautions

[Keep product out of sewers and watercourses.](#)

Methods for Cleaning Up

[If spilled, wipe up with paper or cloth.](#)

7.Handling and Storage

Handling(technical measures,precautions,safe handling material)

[Keep out of reach of children.](#)

Storage(technical measures,storage conditions,packaging material)

[Store inside warehouse to avoid direct sun.](#)

[Avoid storage above 35 degrees centigrade or storage in direct sunlight.](#)

8. Exposure Controls/Personal Protection

Respiratory Protections

[None required under normal conditions of use.](#)

Hand Protection

[Use vinyl or rubber gloves if necessary.](#)

Eye Protection

[None required under normal conditions of use.](#)

Skin and Body Protection

[None required under normal conditions of use.](#)

9. Physical and Chemical Properties

Appearance

Form : [liquid](#)

Color : [cyan](#)

Odour : [not odor](#)

Information

pH : [8-10](#) Measuring Temp.(degrees centigrade) : [25](#)

Boiling Point(degrees centigrade) : [not available](#)

Flash Point(degrees centigrade) : [not applicable](#)

Explosion Properties(degrees centigrade) : [This product is considered a nonexplosive material under normal use condition.](#)

Vapor Pressure(Pa) : [not available](#) Measuring Temp.(degrees centigrade): -

Vapor Density(AIR=1) : [not available](#)

Density (g/cm³) : [1.05](#) Measuring Temp.(degrees centigrade): [23](#)

Solubility

Water Solubility(g/L) : [soluble](#)

Water Solubility Measuring Temp.(degrees centigrade) : [25](#)

Other Solvent name : [not available](#)

Other Solvent Solubility(g/L) : [-](#)

Other Solvent Solubility Measuring Temp.(degrees centigrade) : [-](#)

Octanol/Water Partition Coefficient

[not known](#)

10. Stability and Reactivity

Conditions to Avoid

[Not applicable in normal use.](#)

Materials to Avoid

[Not applicable in normal use.](#)

Hazardous Decomposition Products

[Decomposition product will not occur](#)

11.Toxicological Information

Acute Toxicity

Acute Oral Toxicity (LD50)

: 5000mg/kg or over (Rat) (Based on other Ricoh products test results of similar ingredients.)

Acute Dermal Toxicity

: not available

Acute Inhalation Toxicity

: not available

Sensitization

Local effects

Acute Skin Irritation(PII) : 1.0 or below (Based on other Ricoh products test results of similar ingredients.)

Acute Eye Irritation : not available

Sensitization

Acute Allergenic Effects : 0%(Based on other Ricoh products test results of similar ingredients.)

Specific Effects

Carcinogenicity :

No data is available on this product.

Mutagenicity : negative(Based on other Ricoh products test results of similar ingredients.)

Effects on The Reproductive System : None of ingredients is substance on hazardous characteristics list of reproductive toxicity.

Teratogenic : Not available.

12.Ecological Information

Persistence/Degradability : not known

Bioaccumulation

Not known in bioaccumulation.

Ecotoxicity

Acute Toxicity for Fish (LD50) : not available (mg/kg/96hr)

Acute Toxicity for Daphnia (EC50) : not available (mg/kg/48hr)

Algae Inhibition Test (IC50) : not available (mg/kg/72hr)

13.Disposal Consideration

Recommended Methods for Safe Environmentally Preferred Disposal

(waste from residues/contaminated packaging)

Used product should be disposed of in an environmentally appropriate manner.

14. Transport Information

International Regulations

Land Transport

RID/ADR : [not applicable](#)

DOT 49 CFR : [not applicable](#)

ADNR : [not applicable](#)

Sea Transport

IMDG Code : [not applicable](#)

Air Transport

ICAO-TI/IATA-DGR : [not applicable](#)

The UN Classification Number: [not applicable](#)

Specific Precautionary Transport Measures

[Avoid direct sunlight.; Do not keep this over 35 degrees centigrade.](#)

Specific Materials to Avoid

[None in normal use.](#)

15. Regulation Information

Regulations

[not known](#)

16. Other Information

[not known](#)

Disclaimer

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of RICOH COMPANY, LTD.

It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process.

RICOH COMPANY, LTD assumes no legal responsibility for use or reliance upon this information.