



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Print Cartridge GC21 Cyan
Product Number: 405533
Chemical Name: mixture
CAS Number: 0-00-0

Company Identification

Ricoh Americas Corporation
5 Dedrick Place
West Caldwell, NJ 07006 USA
1-973-882-2000 or 1-973-882-5218 (For product information)
1-800-336-6737 (For emergencies)

GENERAL USE:

GX3000, GX3050N, GX5050N, GX2500, GX7000.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
ORGANIC PIGMENT	< 10.0 %	Confidential
GLYCOL	< 30.0 %	Confidential
GLYCERIN	< 10.0 %	56-81-5
WATER	50.0 - 90.0 %	7732-18-5

EXPOSURE GUIDELINES:

Glycerin

OSHA PEL: 15 (as mist) mg/m³
ACGIH TWA: 10 (as mist) mg/m³

3. HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTES:

Inhalation, skin, ingestion.

CARCINOGENICITY:

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

MEDICAL CONDITION AGGRAVATED BY LONG-TERM EXPOSURE:

Not available.

CHRONIC EFFECTS:

No data is available on this product.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

When ink goes into an eye, please wash with running water promptly. Please consult with a doctor, when abnormal.

SKIN CONTACT FIRST AID:

When ink is attached to skin, please wash away with water or soapsuds immediately.

INHALATION FIRST AID:

Not applicable.

INGESTION FIRST AID:

When ink is swallowed, please let me give and breathe out a deep salt solution, and consult with a doctor.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

BURNING RATE:

Not applicable.

EXTINGUISHING MEDIA:

No special fire protecting method is required.

FIRE FIGHTING INSTRUCTIONS:

No special fire protecting method is required.

6. ACCIDENTAL RELEASE MEASURES

SPILL / LEAK PROCEDURES:

If spilled, wipe up with paper or cloth.

MISCELLANEOUS:

Remove contaminated clothing and launder or dry-clean before wearing. Keep product out of sewers and watercourses.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Keep out of reach of children.

STORAGE REQUIREMENTS:

Store inside warehouse to avoid direct sunlight. Avoid storage above 35 degrees centigrade.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION:

None needed under normal use condition.

RESPIRATORY PROTECTION:

None required under normal conditions of use.

PROTECTIVE CLOTHING / EQUIPMENT:

None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Cyan
ODOR:	Not odor
BOILING POINT:	Not available C
VAPOR PRESSURE:	Not available psia
VAPOR DENSITY:	Not available (Air = 1)
SOLUBILITY IN WATER:	Soluble
MELTING/FREEZING POINT:	Not applicable C
PH:	8-10
% VOLATILES:	70 %
VISCOSITY:	8
EVAPORATION RATE:	Not available

10. STABILITY AND REACTIVITY

POLYMERIZATION:

None.

CONDITIONS TO AVOID:

Not applicable in normal use.

HAZARDOUS DECOMPOSITION PRODUCTS:

will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS:

>5000mg/kg (Rat).

CARCINOGENICITY:

No data is available on this product.

MUTAGENICITY:

Negative.

TERATOGENICITY:

Not available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DEGRADATION:

Not known.

MISCELLANEOUS:

Not known in bioaccumulation.

13. DISPOSAL CONSIDERATIONS

DISPOSAL:

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

14. TRANSPORT INFORMATION

PRODUCT LABEL: Print Cartridge GC21 Cyan

MISCELLANEOUS:

Avoid direct sunlight. Do not keep this over 35 degrees centigrade.

15. REGULATORY INFORMATION

No information available.

16. OTHER INFORMATION

HMIS Rating:

Health - 1
Flammability - 0
Reactivity - 0

APPROVED BY: David Huelbig
TITLE: Safety Engineer
APPROVAL DATE: June 26, 2006
SUPERCEDES DATE: New
RTN NUMBER: 00003407 (Official Copy)

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Ricoh Americas Corporation. The data on this sheet are related only to the specific material designated herein. Ricoh Americas Corporation assumes no legal responsibility for use or reliance upon these data.

END OF MSDS
