



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: Print Cartridge GC21 Yellow  
Product Number: 405539  
Chemical Name: mixture  
CAS Number: 0-00-0

#### Company Identification

Ricoh 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:**

GX5050N.

### 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/m<sup>3</sup>  
ACGIH TWA: 10 (as mist) mg/m<sup>3</sup>

### 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 eye, please wash with running water promptly. Please consult with a doctor, when abnormal.

### **SKIN CONTACT FIRST AID:**

When ink is attached to the 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 agent 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:	Yellow
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 Yellow

**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  
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**END OF MSDS**

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