



## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: PCU Type 1013 (OPC)  
Product Number: 411113  
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:**

2513, 2513f, 3725, 1302, 1302f, 5613, F104, F104L, F9103.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### **COMPONENT LISTING:**

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
AL SUBSTRATE	98.0 %	7429-90-5
STILBEN DERIVATIVE	< 1.0 %	89114-91-0
POLYCARBONATE	< 1.0 %	25135-52-8
TITANIUM DIOXIDE	< 1.0 %	13463-67-7
ORGANIC PIGMENT	< 1.0 %	26201-32-1
BISBENZYL BENZENE DERIV.	< 1.0 %	15742-68-4

#### **EXPOSURE GUIDELINES:**

##### **Titanium Dioxide**

OSHA TWA: 15 mg/m<sup>3</sup>  
ACGIH TWA: 10 mg/m<sup>3</sup>

### 3. HAZARDS IDENTIFICATION

#### **PRIMARY ENTRY ROUTES:**

None.

#### **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 applicable.

**CHRONIC EFFECTS:**

No data is available on this product.

**4. FIRST AID MEASURES**

**EYE CONTACT FIRST AID:**

Not applicable.

**SKIN CONTACT FIRST AID:**

Wash thoroughly with soap and water.

**INHALATION FIRST AID:**

Not applicable.

**INGESTION FIRST AID:**

Not applicable.

**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:**

Water, foam or dry chemicals.

**FIRE FIGHTING INSTRUCTIONS:**

Generally by sprinkling or extinguisher.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL / LEAK PROCEDURES:**

Not applicable.

**7. HANDLING AND STORAGE**

**HANDLING PRECAUTIONS:**

Do not touch coated area of drum.

**STORAGE REQUIREMENTS:**

Store in cool and dry place. Do not expose to direct sunlight.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### VENTILATION:

None needed under normal use condition.

### RESPIRATORY PROTECTION:

None needed.

### PROTECTIVE CLOTHING / EQUIPMENT:

None needed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....	Drum
COLOR .....	Navy Blue
ODOR .....	No odor
BOILING POINT .....	Not applicable C
VAPOR PRESSURE .....	Not applicable psia
VAPOR DENSITY .....	Not applicable (Air = 1)
SOLUBILITY IN WATER .....	Insoluble
MELTING/FREEZING POINT ...	Not available C
PH .....	Not applicable
% VOLATILES .....	- %

## 10. STABILITY AND REACTIVITY

### POLYMERIZATION:

None.

### CONDITIONS TO AVOID:

None under normal use condition.

### HAZARDOUS DECOMPOSITION PRODUCTS:

will not occur.

## 11. TOXICOLOGICAL INFORMATION

### SKIN EFFECTS:

Non-irritant.

### ACUTE ORAL EFFECTS:

2000mg/kg.

### CARCINOGENICITY:

No data is available on this product.

### MUTAGENICITY:

Negative.

### TERATOGENICITY:

Not available.

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL DEGRADATION:

Not known.

Not available.

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 END OF MSDS  
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