



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Ricoh Photoconductor Unit Type 1013
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:

Aficio 1013, Aficio 1013F, Aficio 120, Fax 3310L, Fax 4410L, Fax 4410NF, 3310Le, 4420L, 4420NF.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
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 PEL: 15 mg/m³
ACGIH TWA: 10 mg/m³

3. HAZARDS IDENTIFICATION

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.

MISCELLANEOUS:

Not applicable.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Do not touch coated area of drum.

STORAGE REQUIREMENTS:

Store in a 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 applicable C
PH:	Not applicable
% VOLATILES:	- %

10. STABILITY AND REACTIVITY

POLYMERIZATION:

None under normal use condition.

CONDITIONS TO AVOID:

None under normal use condition.

HAZARDOUS DECOMPOSITION PRODUCTS:

Will not occur.

11. TOXICOLOGICAL INFORMATION

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.

13. DISPOSAL CONSIDERATIONS

DISPOSAL:

Used drum should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

14. TRANSPORT INFORMATION

PRODUCT LABEL: Ricoh Photoconductor Unit Type 1013

MISCELLANEOUS:

Keep temperature under 43C.

15. REGULATORY INFORMATION

Canadian Disclosure List

Al Substrate (7429-90-5)

SARA Title III - Section 313

Al Substrate (7429-90-5)

Title V

Al Substrate (7429-90-5)

16. OTHER INFORMATION

HMIS Rating:

Health - 0
Flammability - 1
Reactivity - 0

APPROVED BY: David Huelbig
TITLE: Safety Engineer
APPROVAL DATE: August 31, 2004
SUPERCEDES DATE: October 24, 2001
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