



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Development Unit Type 5000 Color (Cyan)
Product Number: 400723
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:

CL5000.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

| Chemical Name | Amount | CAS Number |
|------------------|----------|--------------|
| POLYESTER RESIN | > 80.0 % | Confidential |
| ORGANIC PIGMENT | < 10.0 % | 147-14-8 |
| ORGANIC SALT | < 10.0 % | Confidential |
| SILICON COMPOUND | < 10.0 % | 7631-86-9 |

EXPOSURE GUIDELINES:

Silicon Compound

OSHA PEL: 15 mg/m³
ACGIH TWA: 10 mg/m³

3. HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTES:

Inhalation, ingestion.

ACUTE SKIN EFFECTS:

Non-irritant.

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:

Immediately wash eyes with plenty of water. If unsuccessful, get medical attention.

SKIN CONTACT FIRST AID:

Wash thoroughly with soap and water.

INHALATION FIRST AID:

Gargle with water, move to place in fresh air. If unsuccessful, get medical attention.

INGESTION FIRST AID:

Dilute stomach contents with several glasses of water. If unsuccessful, get medical attention.

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 available.

EXTINGUISHING MEDIA:

CO2, dry chemicals, foam or water.

FIRE FIGHTING INSTRUCTIONS:

Generally by sprinkling or extinguisher.

6. ACCIDENTAL RELEASE MEASURES

SPILL / LEAK PROCEDURES:

If spilled, sweep up or pick up by vacuum cleaner (rated for toner extraction).

MISCELLANEOUS:

Minimize inhalation of dust. Keep product out of sewers and watercourses.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Do not handle in areas where wind blows. Flying powder may enter eyes. Minimize breathing dust.

STORAGE REQUIREMENTS:

Avoid direct sunlight. Do not keep this over 35 degrees centigrade. Keep out of reach of children.

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: | Powder |
| COLOR: | Cyan |
| ODOR: | slight plastic 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: | - % |
| VISCOSITY: | Not applicable |
| EVAPORATION RATE: | Not applicable |
| DENSITY (G/CM3): | Approx. 1.2 |

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:

Rat: >5000mg/kg.

CARCINOGENICITY:

No data is available on this product.

MUTAGENICITY:

Negative (Ames test).

TERATOGENICITY:

Not available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DEGRADATION:

Not known.

MISCELLANEOUS:

Not known in bioaccumulation.

13. DISPOSAL CONSIDERATIONS

DISPOSAL:

Used toner should be disposed of in an environmentally appropriate manner and in accordance with governmental regulations. Do not incinerate.

14. TRANSPORT INFORMATION

PRODUCT LABEL: Development Unit Type 5000 Color (Cyan)

MISCELLANEOUS:

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

15. REGULATORY INFORMATION

Canadian Disclosure List

Silicon Compound (7631-86-9)

16. OTHER INFORMATION

HMIS Rating:

Health - 1
Flammability - 1
Reactivity - 0

APPROVED BY: David Huelbig
TITLE: Safety Engineer
APPROVAL DATE: September 27, 2005
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