



## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: Ricoh Toner Cartridge Type 1400 (Toner)  
Product Number: 400397  
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:**

AP1400, AP1600.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### **COMPONENT LISTING:**

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
POLYESTER RESIN	40.0 - 70.0 %	
STYRENE ACRYLIC RESIN	< 20.0 %	
MAGNETITE	30.0 - 50.0 %	1309-38-2
WAX	< 5.0 %	8015-86-9
SILICON COMPOUND	< 5.0 %	7631-86-9

#### **EXPOSURE GUIDELINES:**

##### **Magnetite**

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

### 3. HAZARDS IDENTIFICATION

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

Inhalation, 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 applicable.

#### **CHRONIC EFFECTS:**

Prolonged inhalation of excessive dust may cause lung damage. It is attributed to 'lung overloading', a generic response to excessive amounts of any dust retained in the lung for a prolonged interval. Use of this product, as intended, does not result in inhalation of excessive dust.

#### **4. FIRST AID MEASURES**

**EYE CONTACT FIRST AID:**

Immediately wash eyes with large amounts 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:**

Induce vomiting. Seek medical attention immediately. 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:**

Carbon dioxide, dry chemicals, foam or water.

**FIRE FIGHTING INSTRUCTIONS:**

No special fire protecting method is required.

#### **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 35C. 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 .....: Black  
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 .....: - %

**10. STABILITY AND REACTIVITY**

**POLYMERIZATION:**

None.

**CONDITIONS TO AVOID:**

Not applicable in normal use.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Water; Carbon dioxide.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL EFFECTS:**

5000mg/kg.

**CARCINOGENICITY:**

No data is available on this product.

**MUTAGENICITY:**

Negative.

**TERATOGENICITY:**

Not available.

**12. ECOLOGICAL INFORMATION**

No information available.

**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 ...: Ricoh Toner Cartridge Type 1400 (Toner)

**MISCELLANEOUS:**

Avoid direct sunlight. Do not keep this over 35C.

**15. REGULATORY INFORMATION**

**Canadian Disclosure List**

Silicon Compound (7631-86-9)

**16. OTHER INFORMATION**

HMIS Rating -           Health: 1  
                          Flammability: 1  
                          Reactivity: 0

PREPARED BY .....: David Huelbig  
APPROVED BY .....: David Huelbig  
TITLE .....: Safety Engineer  
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**END OF MSDS**

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