



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Ricoh Fax Toner Cartridge Type 5110
Product Number: 430452
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:

5000L, SFX5510MSD, 5510L, 5510NF.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

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

EXPOSURE GUIDELINES:

Magnetite

ACGIH TWA: 10 mg/m³

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.

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.

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

EXTINGUISHING MEDIA:

CO2, 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 applicable 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

SKIN EFFECTS:

Non-irritant.

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.

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 Fax Toner Cartridge Type 5110

MISCELLANEOUS:

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

15. REGULATORY INFORMATION

Canadian Disclosure List

Silica (7631-86-9)

16. OTHER INFORMATION

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

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APPROVED BY: David Huelbig
TITLE: Safety Engineer
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