



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Toner AIO-18 (Black)
Product Number: 9845
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:

9918DP, 2015DP.

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/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.

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:

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

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 (Ames test).

TERATOGENICITY:

