



## **MATERIAL SAFETY DATA SHEET**

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### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

#### **Product Identification**

Product Name: Gestetner Toner Cartridge AIO 18 (Toner)  
Product Number: 410314  
Synonyms: 89845  
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:**

3218, 3218S, 3215S.

### **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.



(section 3 continued)

**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:

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

**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 ...: Gestetner Toner Cartridge AIO 18 (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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