



MATERIAL SAFETY DATA SHEET

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|----------------------|--|-----------------|---------------|
| MSDS Number: | 151, REV F PITNEY BOWES, INC. | Issued: | July 18, 1995 |
| | | Revised: | July 10, 2001 |
| Product Name: | Black Toner for 9800 Series Facsimile Machine | Page: | 1 of 6 |

| SECTION I - PRODUCT IDENTIFICATION | |
|------------------------------------|--|
| Product Name: | Black Toner for 9800 Series Facsimile Machines |
| Reorder Number: | 810-4 |
| Manufacturer: | Pitney Bowes, Inc. |
| Division: | Office Systems |
| Address: | 1 Elmcroft Road |
| City: | Stamford |
| State: | CT |
| Zip: | 06926-0700 |
| MSDS Copies: | 203-365-7151 |
| Emergency/Chemtrec: | 800-424-9300 |
| MSDS Prepared By: | Chemical Review Committee |
| Effective Date: | July 10, 2001 |
| Print Date: | 08/31/01 |

| SECTION II - HAZARDOUS INGREDIENTS | | | |
|--|------------|-------------|---|
| INGREDIENT NAME | CAS NO. | % | EXPOSURE LIMITS |
| Toner powder (regulated as particulates not otherwise classified - PNOC) | Mixture | proprietary | 10 mg/m ³ , TWA (inhalable) TLV, 15 mg/m ³ TWA - PEL (Total Dust) |
| Chromium Compound | 31714-55-3 | 1-5 | 0.5 mg/m ³ TWA TLV (as Cr) 0.5 MG/M ³ TWA PEL (as Cr) |

Additional Information

May Contain Non-Hazardous Ingredients: Mixed polymer resins, magnetite, polypropylene, amorphous silica

| SECTION III - HAZARD IDENTIFICATION | |
|---|---|
| Emergency Overview: | Black powder with a faint odor. High concentrations of dust suspended in air may present a dust explosion hazard. Inhalation of dust may cause minor respiratory irritation. Prolonged inhalation overexposure may result in lung damage. |
| Relevant Routes of Exposure: | Skin, eyes, inhalation |
| Signs and Symptoms of Acute Overexposure: | May cause mild eye irritation. This product is not a skin irritant. |
| Signs and Symptoms of Chronic Overexposure: | Prolonged inhalation of dust in excess of the exposure limits (as with any nuisance dust) may result in lung damage. Overexposure to dust in the normal use of this product is not expected. |
| Medical Conditions Generally Aggravated By Exposure: | None known |
| Potential Health Effects: | |
| Eyes: | May cause mild irritation. |
| Skin: | No adverse effects expected. |

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| | Facsimile Machine | | |

SECTION III - HAZARD IDENTIFICATION

Ingestion: No adverse effects expected. This product is not acutely toxic by ingestion.

Inhalation: Could be a route of exposure, but unlikely under normal use. Inhalation of toner powder may cause mucous membrane and respiratory irritation. Prolonged and repeated overexposure may cause lung damage.

Carcinogenicity:

NTP: No

IARC: No

OSHA: No

ACGIH: No

OTHER: No

SECTION IV - FIRST AID MEASURES

Eyes: Do not rub eyes. Immediately flush with plenty of running cool to lukewarm water, holding eye lids open to assure thorough rinsing. Get medical attention if irritation persists or for foreign body in the eyes.

Skin: Wash with soap and water.

Ingestion: If swallowed, dilute with water. **DO NOT** induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get medical attention.

Inhalation: Remove person to fresh air. Wash nostrils, rinse mouth. If irritation or pulmonary symptoms develop, consult a physician.

SECTION V - FIRE FIGHTING PROCEDURES

Flammable Limits in Air (% by Volume): Not determined

Flash Point: Not applicable

Autoignition Temperature: Not determined

Extinguishing Media: Water fog, CO₂, dry chemical powder, or foam.

Fire Fighting Instructions: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Do not use methods that may create a dust cloud, such as high pressure water.

Unusual Fire and Explosion Hazards: Toner powder can form explosive mixtures with air at high concentrations.

Known or Anticipated Hazardous Products of Combustion: Carbon monoxide and carbon dioxide.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Carefully sweep material onto paper, or vacuum taking care not to generate airborne dust. Do not use vacuum

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SECTION VI - ACCIDENTAL RELEASE MEASURES

| | |
|-----------------------------------|---|
| | if large amounts are released due to risk of dust explosion. |
| Personal Precautions: | Avoid inhalation of dust. |
| Environmental Precautions: | It is recommended to keep away from drains, surface and ground water. |
| Methods for Cleanup: | Sweep material onto paper, or vacuum small amounts. |
| Large Spill: | Not sold in large quantities. |
| Small Spill: | Sweep material onto paper or vacuum small amounts. Avoid generating airborne dust. |

SECTION VII - HANDLING AND STORAGE

| | |
|---------------------------|---|
| Handling: | Avoid inhalation of toner dust. Avoid direct contact with toner. Keep container closed when not in use. |
| Storage: | Store in a cool, dry place. Keep container closed. Keep out of the reach of children. |
| Other Precautions: | Not required under normal use. |

SECTION VIII - EXPOSURE CONTROLS & PERSONAL PROTECTION

| | |
|---------------------------------------|--------------------------------|
| Engineering Controls: | None required with normal use. |
| Ventilation Requirements: | General office ventilation. |
| Personal Protective Equipment: | |
| Eye/Face Protection: | Not required under normal use. |
| Skin Protection: | Not required under normal use. |
| Respiratory Protection: | Not required under normal use. |
| Other Protective | Not required under normal use. |
| Clothing or Equipment: | |
| Exposure Guidelines: | See Section II |

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

| | |
|---|---------------------------------|
| Appearance: | Black powder with a faint odor. |
| Boiling Point: | Not applicable |
| Color: | Black |
| Freezing Point: | No data |
| Melting Point: | No data |
| Octanol/Water Partition Coefficient: | No data |
| Odor: | No odor |
| Odor Threshold: | No data |
| Percent Volatile: | Not applicable |
| pH Value: | Not applicable |
| pH Concentration: | Not applicable |
| Physical State: | Powder |
| Reactivity in Water: | None |
| Solubility in Water: | Negligible |
| Specific Gravity or Density (Water=1): | <1.8 |

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SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

| | |
|------------------------------------|----------------|
| Vapor Density: | Not applicable |
| Vapor Pressure: | Not applicable |
| Vapor Pressure Temperature: | Not applicable |
| Volatile Organic Compounds: | No data |
| Water/Oil Distribution | No data |
| Coefficient: | |
| Weight Per Gallon: | Not applicable |

SECTION X - STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable |
| Conditions to Avoid: | Avoid excessive heat and electrical discharge. |
| Incompatibility With Other Materials: | Strong oxidizing materials. |
| Hazardous Decomposition Products: | Thermal decomposition may produce carbon dioxide and carbon monoxide. |
| Hazardous Polymerization: | Will not occur. |
| Conditions to Avoid: | Not applicable |

SECTION XI - TOXICOLOGICAL INFORMATION

| VALUE | ANIMAL | ROUTES | COMPONENTS |
|-------------------------|--------|------------|------------|
| LC50: No data available | | Inhalation | Product |
| LD50: No data available | | Oral | Product |
| LD50: No data available | | Dermal | Product |

Additional Information

Note: This product tested negative in the AMES test for mutagenicity.

SECTION XII - ECOLOGICAL INFORMATION

Ecological Information: No data available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Disposal Considerations: Dispose in accordance with local, state, and federal regulations.

SECTION XIV - TRANSPORT INFORMATION**U.S. DOT**

| | |
|------------------------------|----------------|
| Proper Shipping Name: | Not regulated |
| Hazard Class: | Not applicable |
| ID Number: | Not applicable |
| Packing Group: | Not applicable |
| Labels: | None |
| Special Provisions: | None |

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SECTION XIV - TRANSPORT INFORMATION

Packaging Exceptions: Not applicable
Non-Bulk Packaging: Not applicable
Bulk Packaging: Not applicable
Air/Rail Limit: None
Air Cargo Limit: None
Vessel Stowage: Not applicable
Other Stowage: Not applicable
Reportable Quantity: None

AIR - ICAO OR IATA

Proper Shipping Name: Not regulated
Hazard Class: Not applicable
ID Number: Not applicable
Risk: Not applicable
Packing Group: Not applicable
Hazard Labels: None
Packing Instructions: Not applicable
Air Passenger/Cargo Limit Per Package: Not applicable
Packing Instruction - Cargo: Not applicable
Air Cargo Limit Per Package: Not applicable
Special Provisions Code: None

WATER - IMDG

Proper Shipping Name: Not regulated
Hazard Class: Not applicable
ID Number: Not applicable
Packing Group: Not applicable
Risk: Not applicable
Emergency Procedures Code: Not applicable
Medical First Aid Guide Code: Not applicable

SECTION XV - REGULATORY INFORMATION

U.S. Federal Regulations: See below
State Regulations: This product contains no chemicals subject to California Proposition 65.
International Regulations: EU: Not classified as a dangerous material. All of the components are listed on the EINECS inventory.
 Canada: Not a controlled product. All of the components are listed in the Canadian DSL.
 Japan: All of the components are listed on the Japanese MITI inventory.
 Australia: All of the components are listed on the Australian AICS inventory.

SARA Hazards:

Acute: No
Chronic: No
Reactive: No
Fire: No
Pressure: No

Additional Information

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SECTION XV - REGULATORY INFORMATION

This product does not contain chemical or chemical compounds listed in the following SARA Title III categories: Extremely Hazardous Substances (302).
SARA 313 (Toxic Chemical Release Reporting): Chromium compounds 1-5%.
All the components of this product are listed in the EPA TSCA Inventory.

SECTION XVI - OTHER INFORMATION**NEPA Codes:**

Health: 1
Flammability: 1
Reactivity: 0
Other: 0

HMIS Codes:

Health: 1
Flammability: 1
Reactivity: 0
Protection:

Other Information: Keep out of reach of children.