Pitney Bowes

MATERIAL SAFETY DATA SHEET

MSDS Number:	176, REV F PITNEY BOWES, INC.	**Issued:** **Revised:**	May 21,1999 July 10, 2001
Product Name:	Toner Cartridge for 2000 and 9900 Series Facsimile Machines	**Page:**	1 of 6

SECTION I - PRODUCT IDENTIFICATION

Product Name:	Toner Cartridge for 2000 and 9900 Series Facsimile Machines
Reorder Numbers:	812-0 815-0, 815-1: V006 (ECO and Minority Cartridges) 815-7: V005 and V006, (High Yield Cartridge, no iron oxide) 816-7: V006, 2000 series ECO Minority 816-6: V006, 2000 series ECO
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/m3, TLV (inhalable), 15 mg/m3 TWA - PEL (Total Dust)
Magnetite	1309-38-2	proprietary	10 mg/m3, TLV (inhalable), 15 mg/m3 TWA - PEL (Total Dust)
Iron Oxide	1317-61-9	proprietary	10 mg/m3, TLV (inhalable), 15 mg/m3 TWA - PEL (Total Dust)

Additional Information

May Contain Non-Hazardous Ingredients: Styrene Acrylate Co-polymer (27136-15-8, 25036-16-2), Polypropylene (25085-53-4, 9003-07-0), An aluminum alloy tube with a non-hazardous inert organic/powder coating.

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. No animal testing was performed with this specific product, however, based on animal testing with products of similar composition, this product is not a skin or eye irritant.
Signs and Symptoms of Chronic	Prolonged inhalation of dust in excess of the exposure limits (as with any nuisance dust) may result in lung

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SECTION III - HAZARD IDENTIFICATION

Overexposure: 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 minimal irritation.

Skin: No adverse effects expected.

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 spray, CO_2, dry chemical powder, or appropriate 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 Emits toxic fumes under fire conditions.

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SECTION V - FIRE FIGHTING PROCEDURES

Hazardous Products of Combustion:

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 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 Clothing or Equipment:	Not required under normal use.
Exposure Guidelines:	See Section II

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Black powder with faint odor
Boiling Point:	Not applicable
Color:	Black
Freezing Point:	No data
Melting Point:	No data
Octanol/Water Partition Coefficient:	No data
Odor:	Faint odor
Odor Threshold:	No data
Percent Volatile:	Not applicable
pH Value:	Not applicable

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SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

pH Concentration:	Not applicable
Physical State:	Powder
Reactivity in Water:	None
Solubility in Water:	Not soluble
Specific Gravity or Density (Water=1):	Varies depending upon reorder number.
Vapor Density:	Not applicable
Vapor Pressure:	Not applicable
Vapor Pressure Temperature:	Not applicable
Volatile Organic Compounds:	No data
Water/Oil Distribution Coefficient:	No data
Weight Per Gallon:	Not applicable

SECTION X - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Avoid excessive heat and electrical discharge. Do not throw into fire.
Incompatibility With Other Materials:	Strong oxidizing materials
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide, unidentified compounds.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Not applicable

SECTION XI - TOXICOLOGICAL INFORMATION

VALUE	ANIMAL	ROUTES	COMPONENTS
LC50: Not determined	Not applicable	Inhalation	Product
LD50: Not determined	Not applicable	Oral	Product
LD50: Not determined	Not applicable	Dermal	Product

Additional Information

Note: No animal testing was performed with this specific product.

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

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SECTION XIV - TRANSPORT INFORMATION

ID Number:	Not applicable
Packing Group:	Not applicable
Labels:	None
Special Provisions:	None
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:	None applicable
International Regulations:	Canada: Not a controlled product (manufactured article).

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), Toxic Chemical Release Reporting (313). All the components of this product are listed in the EPA TSCA Inventory.

SECTION XVI - OTHER INFORMATION

NFPA Codes:

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

HMIS Codes:

Health:	1
Flammability:	1
Reactivity:	0
Protection:	A - glasses
Other Information:	Keep out of reach of children