



MATERIAL SAFETY DATA SHEET

MSDS Number:	209, REV D PITNEY BOWES, INC.	Issued:	January 12, 2000
		Revised:	October 19, 2001
Product Name:	Toner Cartridge for the 1500, 1630, 1640, and 2500 Facsimile Machines	Page:	1 of 6

SECTION I - PRODUCT IDENTIFICATION	
Product Name:	Toner Cartridge for 1500, 1630, 1640, and 2500 Fax Machines
Reorder Number:	817-5
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:	October 19, 2001
Print Date:	10/19/01

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)
Carbon Black	1333-86-4	proprietary	3.5 mg/m ³ TWA TLV, 3.5 mg/m ³ TWA - PEL
Paraffin Wax	8002-74-2	proprietary	2 mg/m ³ TWA TLV

Additional Information

May Contain Non-Hazardous Ingredients: Styrene acrylate copolymer, silicon dioxide

SECTION III - HAZARD IDENTIFICATION

Emergency Overview:	Black powder with no 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.

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SECTION III - HAZARD IDENTIFICATION

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.
<u>Carcinogenicity:</u>	
NTP:	No
IARC:	In 1996 IARC re-evaluated carbon black as a group 2B carcinogen (possible human carcinogen). Carbon black is a minor component of the total toner mixture. We believe that IARC's findings are not applicable to the typical uses and levels of exposure to toners or developers by our customers and service personnel.
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):	Upper Explosion Limit: Unknown Lower Explosion Limit: 40 g/m ³
Flash Point:	Not determined
Autoignition Temperature:	Not available
Extinguishing Media:	Water, ABC dry chemical, or protein type foams are recommended.
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.

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

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Black powder with no odor.
Boiling Point:	Not applicable
Color:	Black
Freezing Point:	Not applicable
Melting Point:	230°F (110°C)
Octanol/Water Partition Coefficient:	No data
Odor:	Odorless
Odor Threshold:	No data
Percent Volatile:	<0.5
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):	1.15 g/cm ³

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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 temperatures above 392°F (200°C).
Incompatibility With Other Materials:	Avoid strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition may release carbon dioxide and carbon monoxide.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Not applicable

SECTION XI - TOXICOLOGICAL INFORMATION

VALUE	ANIMAL	ROUTES	COMPONENTS
LC50: >2,000 mg/kg	Rat	Oral	Product
LD50: > 4.85 mg/l	Rat	Inhalation	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
Packaging Exceptions:	Not applicable
Non-Bulk Packaging:	Not applicable
Bulk Packaging:	Not applicable
Air/Rail Limit:	None

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SECTION XIV - TRANSPORT INFORMATION

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.
Canada: Not a controlled product.

SARA Hazards:

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

Additional 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 of the components are listed on the EINECS inventory.

SECTION XVI - OTHER INFORMATION

NFPA Codes:
Health: 1

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SECTION XVI - OTHER INFORMATION

Flammability: 1

Reactivity: 0

Other: 0

HMIS Codes:

Health: 1

Flammability: 1

Reactivity: 0

Protection:

Other Information: Keep out of reach of children.