

**MATERIAL SAFETY DATA SHEET**

75600, 75800  
Pitney Bowes 9800/9820 Series

PM Company  
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**SECTION #1 — Ingredients/Identity Information**

Components (Specific Chemical Identity; Common Names)	CAS#	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Iron Oxide	01333-86-4	3.5mg/m3	3.5mg/m3		<1%
Carbon Black	1317-61-9				25-45%

All of the ingredients are listed on TSCA Inventory and are not hazardous, nontoxic and carcinogen-free. A TLV value has not been established for this product.

Note: Nuisance dust level

TLV 10mg/m3 (total dust) 5mg/m3 (respirable dust)

PEL 15mg/m3 (total dust) 5mg/m3 (respirable dust)

In a chronic inhalation study in rats using a special test toner, there were no lung changes at all in the lowest exposure level (1mg/m3), the most relevant level to potential human exposures. A very slight degree of fibrosis was noted in 25% of the animals at the middle exposure (4mg/m3) while a slight degree of fibrosis was observed at the highest exposure level (16mg/m3) in all animals. These findings are attributed to "lung overloading", a generic response to excessive amounts of dust retained in the lungs for a prolonged interval. The special test toner was ten times more respirable than commercially available toner to comply with EPA testing.

On the basis of this information, an exposure limit of 2.5mg/m3 (total dust) is recommended.

**SECTION #2 — Physical/Chemical Characteristics**

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O=1)	1.5-1.7
Vapor Pressure (mm Hg)	N/A	Melting Point	>100° c
Vapor Density (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water: Negligible			
Appearance and Odor: Fine Black Powder, Faint Odor			

**SECTION #3 — Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A
Extinguishing Media:	Water spray or mist, Foam, Dry chemicals, CO <sub>2</sub>		
Special Fire Fighting Procedures:	Avoid inhalation of smoke.		
Unusual Fire and Explosion Hazards: Toner is a combustible powder. When dispersed in air, it forms explosive mixtures.			

N/A = Not Applicable/Not Available N/E = Not Established

**SECTION #4 — Reactivity Data**

Stability	Unstable		Conditions to Avoid: None
	Stable	X	
Incompatibility (Materials to Avoid)		Strong Oxidants	
Hazardous Decomposition or Byproducts		Products of combustion can be toxic – depends on conditions. Avoid breathing smoke.	
Hazardous Polymerization	May Occur		Conditions to Avoid: None
	Will Not Occur	X	

**SECTION #5 - Health Hazard Data**

Route(s) of Entry:	Inhalation? No	Skin? No	Ingestion? No
Health Hazards (Acute and Chronic) None known to PM Company			
Carcinogenicity: None present.	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Minimal respiratory tract irritation may occur as with exposure to any non-toxic powder.			
Medical Conditions Generally Aggravated by Exposure None when used as intended in the printing equipment for which it is designed.			
Emergency and First Aid Procedures <b>Skin:</b> Normal washing with soap and water. <b>Eyes:</b> Flush out with water. <b>Inhalation:</b> Remove to fresh air. <b>Oral:</b> Drink water.			

**SECTION #6 - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled Loose toner can be removed by using a vacuum cleaner. May be swept up (avoid dust inhalation-use appropriate dust mask if necessary.)
Waste Disposal Method Do not incinerate. Dispose under conditions, which meet all federal, state and local environment regulations.
Precautions to Be Taken in Handling and Storing Avoid prolonged inhalation of excessive dust. Store in a cool, dry, well ventilated area.
Other Precautions None known to PM Company

**SECTION #7 - Control Measures**

Respiratory Protection (Specify Type): Not necessary under normal use condition.			
Ventilation	Local Exhaust Not Required	Special Not Required	
	Mechanical (General) Not Required	Other Not Required	
Protective Gloves Not Required		Eye Protection Not Required	
Other Protective Clothing or Equipment None Required			
Work/Hygienic Practices Inhalation should be avoided if sample is spilled. Goggles and Respirators required for bulk processing.			

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**PM COMPANY**