

MATERIAL SAFETY DATA SHEET

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SECTION 1 IDENTIFICATION

TRADE NAME: NP-3825/3325 Series TONER BLACK

PRODUCT DESCRIPTION: Toner powder for Canon NP-3825/3325

ITEM No: F41-6401-100

NFPA HMTS RATING: Health: 1, Flammability: 1, Reactivity: 1

SECTION 2 INGREDIENTS

OSHA (PEL)

<u>PRINCIPAL COMPONENT(S)</u>	<u>CAS No.</u>	<u>WT. %</u>	<u>ACGIH (TLV)</u>
Styrene Acrylate Copolymer -----		50 - 60	N/A
Iron Oxide	1317-61-9	35 - 45	N/A

Manufacturer contact states all other information is proprietary.

N/A = Not Applicable.

Concerning carcinogenicity, the ingredients listed above are not listed on the latest NTP Annual Report, IARC Monographs and OSHA regulations.

SECTION 3 PHYSICAL DATA

BOILING POINT (C): N/A  
 MELTING POINT (C): 100 - 150 C.  
 VAPOR PRESSURE (mmHg.): Negligible.  
 VAPOR DENSITY (AIR =1): N/A  
 SOLUBILITY IN WATER: Negligible.  
 SOLUBILITY IN ORGANIC SOLVENTS: Partially soluble in Toluene and Xylene.

SPECIFIC GRAVITY (Water=1): 1.4 - 1.6  
 PERCENT VOLATILE BY VOLUME (%): Negligible.  
 EVAPORATION RATE (Butyl Acetate=1): Negligible.  
 PH IN CONCENTRATE: Cannot be determined.  
 PH IN DILUTION AS USED: Cannot be determined.  
 APPEARANCE AND ODOR: Toner is fine powder, with slight plastic odor.

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** Some ingredients begin melting at 100 C or higher.

**IGNITION TEMPERATURE:** N/A

**FLAMMABILITY:** Non-flammable solid (According to 16 CFR 1500.44 test method).  
Not known.

**FLAMMABLE LIMITS:** Carbon Dioxide, Water, Dry Chemical.

**EXTINGUISHING MEDIA:** None.

**SPECIAL FIRE FIGHTING PROCEDURES:** This material, like most organic material in powder form, is capable of creating a dust explosion.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

SECTION 5 HEALTH HAZARD DATA

**A. EXPOSURE LIMITS:** See Section 2.

**B. EFFECTS OF OVEREXPOSURE:** Minimal respiratory tract irritation may occur as with exposure to large amounts to any non-toxic dust.  
No specific hazard is known to Canon.

**C. TOXICITY DATA:**

<u>Test</u>	<u>Species</u>	<u>Result</u>
Mutagenicity	S. Typhimurium	Negative

SECTION 6 EMERGENCY FIRST AID PROCEDURES

**Inhalation:** Remove from exposure to fresh air.

**Eye Contact:** Open eye and flush with plenty of water. If irritation persists, get medical attention.

**Skin:** Wash with soap and water.

**Ingestion:** Drink several glasses of water. Call a physician.

SECTION 7 REACTIVITY DATA

**STABILITY:** Stable.

**INCOMPATIBILITY:** Strong Oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** As with any organic material, combustion will produce Carbon Dioxide and probably Carbon Monoxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

SECTION 8 SPILL & DISPOSAL PROCEDURES

**SPILLS AND LEAKS:**

Avoid inhalation of dust. Sweep material onto paper and place in fiber carton.

**DISPOSAL METHOD:**

Used toner material may be considered plastic waste. Ensure disposal is in compliance with federal, state and/or local regulations.

SECTION 9 SPECIAL PROTECTION INFORMATION

**VENTILATION:**

Good general ventilation should be sufficient.

**RESPIRATORY PROTECTION:**

None required.

**PROTECTIVE GLOVES:**

None required.

**EYE PROTECTION:**

None required.

**OTHER:**

None.

SECTION 10 SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

KEEP OUT OF REACH OF CHILDREN.

Keep from contact with oxidizing materials.

SECTION 11 REGULATORY INFORMATION

**CHEMICAL(S) REQUIRED TO BE REPORTED UNDER SARA TITLE III, CERCLA: NONE.**

DEPARTMENT OF TRANSPORTATION

Proper Shipping Name: N/A  
Hazard Class: N/A  
UN ID No.: N/A

ALL COMPONENTS ARE REGISTERED IN ACCORDANCE WITH TSCA.

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process.