



MS DS  
SENT TO  
SAFETY OFFICER  
DATE 6/24/87

MATERIAL SAFETY DATA SHEET

MSDS No. CPY-0018-000

Canon U.S.A., Inc.  
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Lake Success, NY 11042  
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Date of preparation: Nov. 1, 1985

SECTION 1 IDENTIFICATION

TRADE NAME: NP-150 Series Toner (Brown)  
PRODUCT DESCRIPTION: Toner powder for Canon copiers (160g)  
ITEM NO: F41-2411-100

SECTION 2 INGREDIENTS

Principal Component(s)	CAS No.	WT. %	TLV
Styrene acryl copolymer	-----	55-60	
Iron oxide	1309-37-1	35-40	10 mg/m <sup>3</sup> (TWA)

SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOR: Fine powder, slight plastic odor.  
BOILING POINT (C°): Not applicable.  
MELTING POINT: Not applicable.  
VAPOR PRESSURE (mmHg.): Negligible.  
VAPOR DENSITY (AIR=1): Not applicable.  
SOLUBILITY IN WATER: Negligible.  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.4  
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.

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not applicable  
EXTINGUISHING MEDIA: Water, Dry Chemical, CO<sub>2</sub>  
SPECIAL FIRE FIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARDS: This material, like most organic materials in powder form, is capable of creating a dust explosion. Refer to NFPA Pamphlet No. 654, "Standard for the Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical and Plastics Industries", if this material is to be reduced or collected as a powder.

SECTION 5 HEALTH HAZARD DATA

A. EXPOSURE LIMITS: See Section 2  
B. EFFECTS OF EXPOSURE:  
C. EMERGENCY AND FIRST AID PROCEDURES:  
Inhalation: Remove from exposure.  
Eye Contact: No specific hazard is known to Canon. However, any material that contacts the eye may be irritating. In case of eye contact, flush with plenty of water.  
Skin: Wash with soap and water.

D. TOXICITY DATA:

Test	Species	Result
Mutagenicity	S. Typhimurium	Negative

SECTION 6 REACTIVITY DATA

STABILITY: Stable.  
INCOMPATIBILITY: Strong oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: As with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide.  
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 7 SPILL, LEAK AND DISPOSAL PROCEDURES

SPILLS AND LEAKS: Sweep material onto paper and place in fiber carton.  
DISPOSAL METHOD: No special disposal technique required. Insure compliance with federal, state and/or local regulations.

SECTION 8 SPECIAL PROTECTION INFORMATION

VENTILATION: Good general ventilation should be sufficient.  
PROTECTION GLOVES: None required.  
EYE PROTECTION: None required.  
OTHER PROTECTIVE EQUIPMENT: None.

SECTION 9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep out of reach of children.  
Keep from contact with oxidizing materials.