

060282

**Material Safety Data Sheet**  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072



**IDENTITY (As Used on Label and List)**  
 MT-STARTER V EP470Z (8916-112)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

<b>Manufacturer's Name</b> MINOLTA CORPORATION, U.S.A.	<b>Emergency Telephone Number</b> CONTACT YOUR REGIONAL POISON CONTROL
<b>Address (Number, Street, City, State, and ZIP Code)</b> 101 WILLIAMS DRIVE	<b>Telephone Number for Information</b> CENTER OR JAPAN PHONE #06-271-2251
<b>RAMSEY, NEW JERSEY 07446</b>	<b>Date Prepared</b> AUGUST 10, 1987
	<b>Signature of Preparer (optional)</b>

**Section II — Hazardous Ingredients/Identify Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Carrier				90
Iron zinc oxide (12063-19-3)				
Polyester resin				
Toner				10
Styrene methacrylate copolymer				
Carbon black (1333-86-4)				
Pigment, Copper oxide				
ACGIH TLV: 10mg/m <sup>3</sup> (Total Dust)				
OSHA PEL: 15mg/m <sup>3</sup> (Total Dust)				

**Section III — Physical/Chemical Characteristics**

<b>Boiling Point</b>	N.A.	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	2.9
<b>Vapor Pressure (mm Hg.)</b>	N.A.	<b>Melting Point</b>	N.A.
<b>Vapor Density (AIR = 1)</b>	N.A.	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N.A.
<b>Solubility in Water</b>	Negligible		
<b>Appearance and Odor</b>	Black - powder/faint odor		

**Section IV — Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b>	N.A.	<b>Flammable Limits</b>	LEL N.A.	UEL N.A.
<b>Extinguishing Media</b>	Water, Foam, Dry Chemical			
<b>Special Fire Fighting Procedures</b>	Avoid inhalation of smoke.			

**Unusual Fire and Explosion Hazards**  
 Toner is a combustibile powder. When dispersed in air, it forms explosive mixtures.

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) None

Hazardous Decomposition or Byproducts Do Not Burn. Avoid Breathing of Smoke.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry:                      Inhalation?                      Skin?                      Ingestion?  
Possible                      Norm. not possible                      Norm. not possible

Health Hazards (Acute and Chronic) Oral LD50: >5g/Kg (Rats) Practically non-toxic

Inhalation LC50: >5mg/l (Rats) Practically non-toxic

Skin Irritation: (Rabbits) Non-irritating

Carcinogenicity:                      NTP?                      IARC Monographs?                      OSHA Regulated?  
Not Listed                      Not Listed                      Not Listed

Mutagenicity: No mutagenicity detected in Ames Assay

Signs and Symptoms of Exposure  
Minimal respiratory tract irritation may occur as  
with exposure to large amounts of any non-toxic dust

Medical Conditions  
 Generally Aggravated by Exposure Same as normal dust, may cough and raise the phlegm  
by the inhalation

Emergency and First Aid Procedures Wash with soap and water

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled If spilled, sweep up or vacuum.

Waste Disposal Method No special techniques beyond normal practice. Insure  
conformity with federal, state or local regulations.

Precautions to Be Taken in Handling and Storing None

Other Precautions None

**Section VIII — Control Measures**

Respiratory Protection (Specify Type) Not required when used as intended in Minolta equip.

Ventilation	Local Exhaust	<u>N.A.</u>	Special	<u>N.A.</u>
	Mechanical (General)	<u>N.A.</u>	Other	<u>N.A.</u>

Protective Gloves Not required                      Eye Protection Not required

Other Protective Clothing or Equipment For use other than normal customer, use of goggles

Work/Hygienic Practices None                      may be required

