

000277


**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)  
Toner for RP503, 505, 509, RP504A, RP504M

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** RP502

Manufacturer's Name  
MINOLTA CAMERA COMPANY, LTD.

Emergency Telephone Number  
06-271-2251

Address (Number, Street, City, State, and ZIP Code)  
Osaka Kokusai Bldg. 30-2 chome,

Telephone Number for Information  
201/934-9400

Azuchi-machi, Higashi-ku

Date Prepared  
Apr. 12, 1988

Osaka 541 Japan

Signature of Preparer (optional)

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

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Styrene butylacrylate copolymer				> 86
Polypropylene				5
Carbon black (1333-86-4)				5
Pigment				< 4

ACGIH TLV: 10mg/m<sup>3</sup> (Total Dust)

OSHA PEL: 15mg/m<sup>3</sup> (Total Dust)

**Section III — Physical/Chemical Characteristics**

Boiling Point	N.A.	Specific Gravity (H <sub>2</sub> O = 1)	1.2
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.

Solubility in Water Negligible

Appearance and Odor Black powder/faint odor

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

Flash Point (Method Used)	N.A.	Flammable Limits	LEL N.A.	UEL N.A.
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Extinguishing Media Water, Foam, Dry chemical

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.

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) **None**

Hazardous Decomposition or Byproducts **Products of combustion are toxic. 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? **X Possible** Skin? **X Normally not possible** Ingestion? **X Normally 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? **Not listed** IARC Monographs? **Not listed** OSHA Regulated? **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 equipment.**

Ventilation	Local Exhaust	N.A.	Special	N.A.
	Mechanical (General)	N.A.	Other	N.A.

Protective Gloves **Not required** Eye Protection **Not required**

Other Protective Clothing or Equipment **For use other than normal customer, use of goggles and respirators may be required.**

Work/Hygienic Practices **None**