

OSU COLLEGE OF BIOLOGICAL SCIENCES MSDS FILE

MINOLTA -- MT TONER, RP609Z  
MATERIAL SAFETY DATA SHEET  
FSC: 6850  
NIIN: 00N061663  
Manufacturer's CAGE: 23736  
Part No. Indicator: A  
Part Number/Trade Name: MT TONER, RP609Z

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General Information  
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Company's Name: MINOLTA CORP  
Company's Street: 101 WILLIAMS DRIVE  
Company's City: RAMSEY  
Company's State: NJ  
Company's Country: US  
Company's Zip Code: 07446  
Company's Emerg Ph #: 201-825-4000  
Company's Info Ph #: 201-825-4000  
Safety Data Action Code: A  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 05MAR92  
Safety Data Review Date: 26JUL95  
MSDS Serial Number: BYBCB

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: STYRENE ACRYLATE COPOLYMER (2 KINDS)  
Ingredient Sequence Number: 01  
Percent: >85  
Ingredient Action Code: A  
NIOSH (RTECS) Number: 1007107SA  
CAS Number: 25153-46-2  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: CARBON BLACK  
Ingredient Sequence Number: 02  
Percent: 5-10  
Ingredient Action Code: A

NIOSH (RTECS) Number: FF5800000  
CAS Number: 1333-86-4  
OSHA PEL: 3.5 MG/M3  
ACGIH TLV: 3.5 MG/M3

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Proprietary: NO  
Ingredient: ORGANIC PIGMENT  
Ingredient Sequence Number: 03  
Percent: 1-5  
Ingredient Action Code: A  
NIOSH (RTECS) Number: 1006331OP  
CAS Number: 32517-36-5  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: PROPENE POLYMERS; (POLYPROPYLENE)  
Ingredient Sequence Number: 04  
Percent: 1-5  
Ingredient Action Code: A  
NIOSH (RTECS) Number: TR5000000  
CAS Number: 9003-07-0  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Physical/Chemical Characteristics  
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Appearance And Odor: BLACK POWDER; FAINT ODOR.  
Boiling Point: N/A  
Vapor Pressure (MM Hg/70 F): N/A  
Vapor Density (Air=1): N/A  
Specific Gravity: 1.2 (H\*2O=1)  
Evaporation Rate And Ref: NOT APPLICABLE  
Solubility In Water: NEGLIGIBLE  
pH: N/A

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Fire and Explosion Hazard Data  
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Flash Point: NOT APPLICABLE  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Extinguishing Media: WATER, FOAM, DRY CHEMICAL.  
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT (FP N). AVOID INHALATION OF SMOKE.  
Unusual Fire And Expl Hazrds: IF DISPERSED IN AIR, TONER, LIKE MOST FINELY

DIVIDED ORGANIC POWDERS, MAY FORM AN EXPLOSIVE MIXTURE.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): NONE.

Materials To Avoid: NONE.

Hazardous Decomp Products: PRODUCTS OF COMBUSTION ARE TOXIC. AVOID BREATHING OF SMOKE.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data

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LD50-LC50 Mixture: LD50:(ORAL,RAT) >5 G/KG.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: NO

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: ACUTE:MIN RESP TRACT IRRIT MAY OCCUR AS W/ EXPOS TO LG AMTS OF ANY NONTOX DUST. MAY CAUSE COUGH & RAISE PHLEGM. TONER

PRESENTS LOW HAZ FOR USUAL OCCUP SETTINGS. BASED ON AVAIL DATA, HUMAN EXPOS

TO TONER HAS BEEN SHOWN TO CAUSE MIN RESP TRACT IRRIT AS MAY OCCUR W/LG AMTS OF ANY NON-TOX DUSTS. RSLTS OF (EFTS OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ:ONE ANIMAL STUDY WHERE RATS INHALED TONER THAT WAS 10 TIMES MORE RESPIRABLE THAN COMMERCIALY AVAIL TONER WERE

OBSERVED TO HAVE NO LUNG CHANGES AT LOW EXPOS. AT HIGHER LEVELS SLIGHT DEGREE OF LUNG FIBROSIS WAS OBSERVED DUE TO EXCESSIVE AMTS OF DUST RETAINED

IN LUNGS FOR A PRLNG INTERVAL. CHRONIC:NONE.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: INHAL:WASH NOSTRILS, RINSE MOUTH. INGEST: DILUTE STOMACH CONTENTS W/SEVERAL GLASSES OF WATER. EYES:FLUSH W/WATER FOR AT LEAST 15 MINUTES. SKIN:WASH W/SOAP & WATER.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: IF SPILLED, SWEEP UP OR VACUUM.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: WASTE MAY BE DISPOSED OR INCINERATED UNDER CONDITIONS WHICH MEET ALL FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS.

Precautions-Handling/Storing: NONE.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Control Measures

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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N). NONE REQUIRED WHEN USED AS INTENDED IN MINOLTA EQUIPMENT.

Ventilation: NOT APPLICABLE

Protective Gloves: NONE REQD WHEN USED AS INTENDED (SUPDAT)

Eye Protection: NONE REQD WHEN USED AS INTENDED (SUPDAT)

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE.  
IN MINOLTA EQUIPMENT.

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Transportation Data

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Disposal Data

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Label Data

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Label Required: YES

Technical Review Date: 26JUL95

Label Date: 18JUL95

Label Status: B

Common Name: MT TONER, RP609Z

Chronic Hazard: NO

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-None: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: ACUTE:MINIMAL RESPIRATORY TRACT IRRITATION MAY

OCCUR AS W/EXPOSURE TO LARGE AMOUNTS OF ANY NONTOXIC DUST. MAY CAUSE  
COUGH

& RAISE PHLEGM. TONER PRESENTS LOW HAZARD FOR USUAL OCCUPATIONAL  
SETTINGS.

BASED ON AVAILABLE DATA, HUMAN EXPOSURE TO TONER HAS BEEN SHOWN TO  
CAUSE

MINIMAL RESPIRATORY TRACT IRRITATION AS MAY OCCUR W/LARGE AMOUNTS OF  
ANY

NON-TOXIC DUSTS. CHRONIC:NONE LISTED BY MANUFACTURER.

Protect Eye: X

Protect Skin: X

Protect Respiratory: X

Label Name: MINOLTA CORP

Label Street: 101 WILLIAMS DRIVE

Label City: RAMSEY

Label State: NJ

Label Zip Code: 07446

Label Country: US

Label Emergency Number: 201-825-4000

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