

3M GENERAL OFFICES -- TYPE 248 TONER, 78-6969-5973-9

=====
MSDS Safety Information
=====

FSC: 6850
NIIN: 01-316-8523
MSDS Date: 09/21/1992
MSDS Num: BWSZH
Product ID: TYPE 248 TONER, 78-6969-5973-9
MFN: 02
Responsible Party
Cage: 1BY21
Name: 3M GENERAL OFFICES
Address: 3M CENTER
City: ST PAUL MN 55144-1000

Info Phone Number: 612-733-1110
Emergency Phone Number: 612-733-1110
Published: Y

=====
Contractor Summary
=====

Cage: 76381
Name: MINNESOTA MINING AND MFG CO, DBA 3M
Address: 3M CENTER BLDG 224-5S-04
City: SAINT PAUL MN 55144-1000
Phone: 866-556 5712 / 612-733-1110
Cage: 1BY21
Name: MINNESOTA MINING AND MFG CO ENGINEERING DOCUMENT SYSTEMS DIV
Address: 3M CTR
City: SAINT PAUL MN 55144-1000
Phone: 612-737-4114

=====
Item Description Information
=====

Item Name: TONER,DIRECT ELECTROSTATIC PROCESS

=====
Ingredients
=====

Cas: 25767-47-9
Name: ACRYLIC ACID BUTYL ESTER POLYMER WITH STYRENE CONTAINING ING 2
% Wt: >60
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 58353-09-6

Name: 2PROPENOIC ACID,2METHYL-,2(DIMETHYLAM)ETHYL ESTER,POLYM
W/ETHENYLBENZ&2ETHYLHEX 2PROPEN

% Wt: >60

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 8005-02-5

Name: SOLVENT BLACK 7

% Wt: >3.0

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 9003-07-0

RTECS #: TR5000000

Name: PROPENE POLYMERS; (POLYPROPYLENE)

% Wt: >1.0

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 1333

-86-4

RTECS #: FF5800000

Name: CARBON BLACK

% Wt: >1.0

OSHA PEL: 3.5 MG/M3

ACGIH TLV: 3.5 MG/M3

Cas: 112945-52-5

RTECS #: VV7310000

Name: SILICA GEL

% Wt: >0.1

OSHA PEL: 6 MG/M3

ACGIH TLV: 10 MG/M3

=====
Health Hazards Data

=====
LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity In

ds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE:EYE:MECHANICAL EYE IRRIT:SIGNS/SYMP CAN INCL IRRIT, REDNESS, SCRATCHING OF CORNEA & TEARING. SKIN:MECHANICAL IRRIT:SIGNS/SYMP CAN INCL ITCHING & REDNESS. INHAL:IRRIT (UPPER RESP):SIGNS/SYMP CAN INCL SORENESS OF NOSE & THROAT, COUGHING & SNEEZING. WHILE FOLLOWING EFTS ARE ASSOC W/ONE OR MORE (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptoms Of Overexposure: HLTH HAZ:OF INDIVIDUAL INGREDIENTS IN THIS

PROD & ARE REQD TO BE INCLD ON MSDS BY U.S. OSHA HAZ COMMUNICATION STD, THEY ARE NOT EXPECTED EFTS DURING FORESEEABLE USE OF PROD. PNEUMOCONIOSIS (GEN):SIGNS/SYMP CAN INCL PERSISTENT COUGHING & SHORTNESS OF BREATH. INGEST:IRRIT OF GI TISS:SIGN/SYMP CAN INCL PAIN, VOMIT, (SUPDAT)

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: SKIN:FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD (FP N). EYE:IMMED FLUSH W/LG AMTS OF WATER FOR @ LEAST 15 MI

NS. GET IMMED MED ATTN. INHAL:IF

SIGNS/SYMP OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMP CONTINUE, CALL PHYSICIAN. INGEST:DRINK 2 GLASSES OF WATER. CALL PHYSICIAN.

=====
Handling and Disposal

=====
Spill Release Procedures: OBSERVE PRECAUT FROM OTHER SECTIONS. VACUUM TO AVOID DUSTING. CAUTION! VACUUM CLEANER COULD BE IGNIT SOURCE. CLEAN UP RESIDUE W/WATER. PLACE IN CLSD CNTNR. CAUTION :POWDER SPILL ON FLOORS MAY CREATE SLIP HAZARD.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISP IN SANITARY LANDFILL/INDUST INCIN MAY BE OPTIONS. SINCE REGS & DISP OPTIONS VARY, CONSULT APPLIC REGS/LOCAL WASTE DISP AUTHOR PRIOR TO DISP. DISPOS MUST BE I/A/W FED, ST & LOCAL REGS (FP N).

Handling And Storage Precautions: AVOID EYE CONT. AVOID PRLNGD/RPTD SKIN CONT. STORE AT ROOM TEMP. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION.

=====
Fire and Explosion Hazard Information

=====
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: DUST CLOUDS OF MATERIAL IN COMBINATION W/AN IGNIT SOURCE MAY BE EXPLOSIVE.

=====

=====
Control Measures
=====

Respiratory Protection: AVOID PROLONGED INHAL OF DUST. NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: USE IN WELL-VENTILATED AREA.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPRVD SAFETY GLASSES (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: WASH HANDS AFTER HANDLING & BEFORE EATING.

Supplemental Safety and Health: EFTS OF OVEREXP: ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS, AND BLOOD IN FECES.

=====
Physical/Chemical Properties
=====

HCC: N1

Spec Gravity: 0.3-0.5 WATER=1

Solubility in Water: NIL

Appearance and Odor: FINE BLACK POWDER, ESSENTIALLY ODORLESS

=====
Reactivity Data
=====

=====
Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: ELEVATED TEMPERATURE STORAGE CAN CAUSE CLUMPING OF TONER POWDER.

Hazardous Decomposition Products: COMBUST PRODS MAY INCL CARBON DIOXIDE, CARBON MONOXIDE, HYDROCARBS, STYRENE MONOMER, AND CARBON PARTICULATES.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT.

=====
Toxicological
Information
=====

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

=====
Other Information
=====

=====
HAZCOM Label
=====

Product ID: TYPE 248 TONER, 78-6969-5973-9

Cage: 1BY21

Company Name: MINNESOTA MINING AND MFG CO ENGINEERING DOCUMENT SYSTEMS DIV

Street: 3M CTR

City: SAINT PAUL MN

Zipcode: 55144-1000

Health Emergency Phone: 612-733-1110

Label Required IND: Y

Date Of Label Revi

ew: 02/13/1995

Status Code: C

Label Date: 02/13/1995

Origination Code: G

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: ACUTE:EYE:MECHANICAL EYE IRRIT:SIGNS/SYMP CAN INCL IRRIT, REDNESS, SCRATCHING OF CORNEA &; TEARING. SKIN:MECHANICAL IRRIT:SIGNS/SYMP CAN INCL ITCHING &; REDNESS. INHAL:IRRIT (UPPER RESP):SIGNS/SYMP CAN

INCL SORENESS OF NOSE &; THROAT, COUGHING &;

SNEEZING. INGEST:IRRITATION OF GI TISSUE. CHRONIC:NONE SPECIFIED BY MANUFACTURER.

=====
Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense.

The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use

or

viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless

of similarity to a corresponding Department
of Defense or other government situation.