

3M - ENGINEERING SYSTEMS DIV. -- 3M BRAND TYPE 148 TONER

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MSDS Safety Information  
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FSC: 6850  
NIIN: 01-282-9908  
MSDS Date: 02/20/1995  
MSDS Num: BYHKS  
Product ID: 3M BRAND TYPE 148 TONER  
MFN: 03  
Responsible Party  
Cage: 1BY21  
Name: 3M CO - ENGINEERING SYSTEMS DIV.  
Address: 3M CENTER  
City: ST PAUL MN 5514  
4-1000  
Info Phone Number: 612-733-1110  
Emergency Phone Number: 612-733-1110  
Review Ind: Y  
Published: Y

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Contractor Summary  
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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  
Cage: 9X866  
Name: SUMMIT ASSOCIATES  
Address: 10910-H SOUTHLAKE COURT  
City: RICHMOND VA 23236-3914  
Phone: 804-794-1434

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Item Description Information  
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Item Manager: S9G  
Item Name: TONER,DIRECT ELECTROSTATIC PROCESS  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: BX  
Quantitative Expression: 0000000004EA  
UI Container Qty: 4  
Type of Container: BOX

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Ingredients  
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Cas: 25213-39-2  
Name

: STYRENE ACRYLIC RESIN (MIXTURE WITH CAS# 58353-09-6)

% Wt: 60-100

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 58353-09-6

Name: STYRENE ACRYLIC RESIN (MIXTURE WITH CAS# 25213-39-2)

% Wt: 60-100

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 39382-25-7

Name: BISPHENOL A PROPYLENE OXIDE FUMARATE

% Wt: 10-30

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 9003-07-0

RTECS #: TR5000000

Name: POLYPROPYLENE

% Wt: 5-10

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 8005-02-5

Name: SOLVENT BLACK 7

% Wt: 3-7

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 1333-86-4

RTECS #: FF5800000

Name: CARBON BLACK

% Wt: 3-7

Oth

er REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 112945-52-5

RTECS #: VV7310000

Name: SILICA

% Wt: 0.1-1

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 6 MG/M3

ACGIH TLV: 10 MG/M3

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Health Hazards Data  
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinog

enicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYES: MECHANICAL EYE IRRITATION. SKIN: MECHANICAL SKIN IRRITATION. INHALATION: IRRITATION (UPPER RESPIRATORY). INGESTION: IRRITATION OF GASTROINTESTINAL TISSUES.

Explanation Of Carcinogenicity: NONE

Signs And Symptoms Of Overexposure: EYE-REDNESS, SCRATCHING OF THE CORNEA AND TEARING. SKIN-ITCHING AND REDNESS. INHALATION-SORENESS OF THE NOSE AND THROAT , COUGHING AND SNEEZING. SWALLOWED-PAIN, VOMITING, ABDOMINAL TENDERNESS,

NAUSEA, BLOOD IN VOMITUS, AND BLOOD IN FECES.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA WITH SOAP AND WATER. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN. SWALLOWED: DRINK 2 GLASSES OF WATER. CALL A PHYSICIAN.

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Handling  
and Disposal  
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Spill Release Procedures: OBSERVE PRECAUTIONS FROM OTHER SECTIONS. VACUUM TO AVOID DUSTING. CAUTION! A VACUUM CLEANER COULD BE AN IGNITION SOURCE. CLEAN UP RESIDUE WITH WATER. PLACE IN CLOSED CONTAINER. CAUTION: POWDER SPILL O N FLOOR MAY CREATE A SLIP HAZARD.

Waste Disposal Methods: INCINERATE IN A INDUSTRIAL OR COMMERCIAL FACILITY. DISPOSE OF WASTE PRODUCT IN A SANITARY LANDFILL.

Handling And Storage Precautions: STOR

E AWAY FROM HEAT, SPARKS, OPEN FLAMES,  
AND OTHER SOURCES OF IGNITION.

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

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Fire and Explosion Hazard Information  
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Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures: NOT DETERMINED.

Unusual Fire/Explosion Hazard: DUST CLOUDS OF THIS MATERIAL IN COMBINATION WITH  
AN IGNITION SOURCE MAY BE EXPLOSIVE.

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Control Measures  
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Respiratory Protection: AVOID PROLONGED BREATHING OF DUST.

Ventilation: USE IN WELL-VENTILATED AREA.

Protective Gloves: AVOID PROLONGED OR REPEATED SKIN CONTACT

Eye Protection: AVOID EYE CONTACT.

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

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

Supple

mental Safety and Health: NONE

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Physical/Chemical Properties  
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HCC: V7

Spec Gravity: 0.30-0.50

Solubility in Water: NIL

Appearance and Odor: FINE BLACK POWDER, ESSENTIALLY ODORLESS.

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: ELEVATED TEMPERATURE STORAGE  
MAY CAUSE CLUMPING  
OF TONER POWDER.

Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,  
HYDROCARBONS, STYRENE MONOMER AND CARBON PARTICULATES.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 1BY21
Trans ID NO: 121864
Product ID: 3M BRAND TYPE 148 TONER
MSDS Prepared Date: 02/20/1995
Review Date: 03/27/1996
MFN: 3
Net Unit Weight: 2.8 LBS
AF MMAC Code: NR
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: BX
Container QTY: 4
Type Of Container: BOX

Detail DOT Information

DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

Detail IATA Information

IATA PS

N Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information  
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====  
HAZCOM Label  
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Product ID: 3M BRAND TYPE 148 TONER

Cage: 1BY21

Company Name: MIN

NESOTA 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 Review: 03/27/1996

Status Code: C

Label Date: 03/27/1996

Origination Code: F

Chronic Hazard IND: Y

Signal Word: CAUTION

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: STORE AWAY FROM HEAT, SPARKS, OPEN FLAMES, AND OTHER SOURCES OF IGNITION. IN CASE

OF SPILL: OBSERVE PRECAUTIONS FROM OTHER

SECTIONS. VACUUM TO AVOID DUSTING. CAUTION! A VACUUM CLEANER COULD BE AN IGNITION SOURCE. CLEAN UP RESIDUE WITH WATER. PLACE IN CLOSED CONTAINER. CAUTION: POWDER SPILL ON FLOOR MAY CREATE A SLIP HAZARD. FIRST AID: EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA WITH SOAP AND WATER. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL

A PHYSICIAN.

SWALLOWED: DRINK 2 GLASSES OF WATER. CALL A PHYSICIAN.

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