

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

MSDS Safety Information

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

Contractor Summary

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

Item Description Information

Item Manager: S9G  
Item Name: TONER,DIRECT ELECTROSTATIC PROCESS  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: BX  
Quantitative Expression: 00000000004EA  
UI Container Qty: 4  
Type of Container: BOX

Ingredients

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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% 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

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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 CONTAC  
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 STO  
RAGE MAY CAUSE CLUMPING  
OF TONER OWDER.  
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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Ecologi

cal Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Transportation Information  
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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  
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Detail DOT Information  
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DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail IMO Information  
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IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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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

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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 IGNI  
TION SOURCE. CLEAN UP RESIDUE WITH WATER. PLACE IN CLOSED CONTAINER. CAUTION:  
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REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL  
A PHYSICIAN.  
SWALLOWED: DRINK 2 G LASSES OF WATER. CALL A PHYSICIAN.

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