

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

-----  
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

-----  
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

-----  
Cas: 9003-07-0

RTECS #: TR5000000

Name: POLYPROPYLENE

% Wt: 5-10

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

-----  
Cas: 8005-02-5

Name: SOLVENT BLACK 7

% Wt: 3-7

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

-----  
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

-----  
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

=====

Health Hazards Data

=====

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.

=====

Handling  
and Disposal

=====

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.

=====  
Fire and Explosion Hazard Information  
=====

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.

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

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

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

HCC: V7  
Spec Gravity: 0.30-0.50  
Solubility in Water: NIL  
Appearance and Odor: FINE BLACK POWDER, ESSENTIALLY ODORLESS.

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

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

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

=====  
Ecologi

cal Information  
=====  
=====  
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

=====

Detail AFI Information

=====

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

=====

HAZCOM Label

=====

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:  
POWDER SPILL ON FLOOR MAY CREATE A SLIP HAZARD. FIRST AID: EYES: IMMEDIATELY  
FLUSH WITH LARGE AMOUNTS OF WATER. GET IMMEDI ATE 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 G LASSES OF WATER. CALL A PHYSICIAN.

=====

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 Departme

nt 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.