

3M GENERAL OFFICES,ENGINEERING -- TYPE 852 DEVELOPER PREMIX,#GB-20004173-8/78

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MSDS Safety Information  
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FSC: 6850  
NIIN: 01-294-2878  
MSDS Date: 09/02/1992  
MSDS Num: BRTJB  
Product ID: TYPE 852 DEVELOPER PREMIX,#GB-20004173-8/78  
MFN: 01  
Responsible Party  
Cage: 1BY21  
Name: 3M GENERAL OFFICES,ENGINEERING DOCUMENT SYSTEM DIV  
A  
Address: 3M CTR  
City: ST PAUL MN 55144-1000  
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

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Item Description Information  
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Item Manager: S9G  
Item Name: DEVELOPER,INDIRECT ELECTROSTATIC PROCESS  
Specification Number: UNKNOWN  
Unit of Issue: BX  
Quantitative Expression: 00000000002EA  
UI Container Qty: 0  
Type of Container: PACKAGE

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Ingredients  
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Cas: 7439-89-6  
RTECS #: NO4565500  
Name: IRON AND IRON OXIDE (CAS 7439-89-6) MIXTURE.  
% Wt: 60-100  
Other REC Limi

ts: NONE SPECIFIED BY M.  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 9003-53-6  
RTECS #: WL6475000  
Name: POLYSTYRENE  
% Wt: 5-10

Other REC Limits: NONE SPECIFIED BY M.  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 1333-86-4  
RTECS #: FF5800000  
Name: CARBON BLACK  
% Wt: &lt;1  
OSHA PEL: 3.5 MG/M3  
ACGIH TLV: 3.5 MG/M3; 9192

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Cas: 8005-02-5  
Name: SOLVENT BLACK 7  
% Wt: &lt;1  
Other REC Lim  
its: NONE SPECIFIED BY M.  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Name: SOLVENT BLUE 5  
% Wt: &lt;1  
Other REC Limits: NONE SPECIFIED BY M.  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 65997-04-8  
Name: FUMARATED ROSIN  
% Wt: &lt;1.0  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 151-41-7  
Name: MONODECYL ESTER OF SULFURIC ACID  
% Wt: &lt;1

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Health Hazards Data  
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: NO

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: DUST MAY CAUSE IRRITATION TO THE EYES AND SKIN. INHALATION OF DUST MAY CAUSE PULMONARY TRACT

PROBLEMS. INGESTION:IRRITATION OF GI TRACT.

CHRONIC:PANCREATIC DISORDERS, LIVER EFFECTS, AND LUNG FIBROSIS.

Explanation Of Carcinogenicity: NONE SPECIFIED BY MANUFACTURER.

Signs And Symptions Of Overexposure: RED EYES, PAIN, DIFFICULTY IN BREATHING, COUGHING, NAUSEA, VOMITING, BLOOD IN VOMITUS AND STOOLS.

Medical Cond Aggravated By Exposure: PULMONARY, LIVER AND PANCREATIC DISORDERS.

First Aid: INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/OXYGEN IF NEEDED. EYE CONTACT:FLUSH WITH WATER FOR 1

5 MINUTES. GET MEDICAL HELP. SKIN CONTACT:WASH

WITH SOAP AND WATER. GET MED ATTENTION IF SYMPTOMS PERSIS T. INGESTION:DRINK 1-2 GLASSES OF WATER. GET MEDICAL HELP IMMEDIATELY.

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Handling and Disposal  
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Spill Release Procedures: WEAR DUST MASK. VACUUM OR WET SWEEP SPILLED MATERIAL. PLACE IN CLOSED CONTAINER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions: AVOID EYE CONTACT AND PROLONGED OR REPEATED BREATHING OF DUST. KEEP OUT OF REACH OF CHILDREN STORE IN A COOL DRY PLACE.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Fire and Explosion Hazard Information  
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Extinguishing Media: WATER SPRAY, CO2, DRY CHEMICAL.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING

AND

SELF-CONTAINED BREATHING APPARATUS.

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: NONE NORMALLY REQUIRED. USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN DUST IS CREATED.

Ventilation: GENERAL

Protective Gloves: NONE SPECIFIED BY MANUFACTURER.

Eye Protection: GOGGLES

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: DO NOT EAT, DRINK OR SMOKE WHILE WORKING WITH THIS PRODUCT.

Supplemental Safety and Health: AVOID GENERATING AIRBORNE DUST.

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Physical/Chemical Properties  
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HCC: N1

Spec Gravity: 7

Solubility in Water: INSOLUBLE

Appearance and Odor: GRANULAR, DARK GREY POWDER, ODORLESS

Percent Volatiles by Volume: NONE

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: ELEVATED TEMPERATURES.

Materials To Avoid: NONE

Hazardous Decomposition Products: OXIDES OF CARBON AND IRON, HYDROCARBONS, CARBON PARTICULATES, AND STYRENE MONOMER.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

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Toxicological Information  
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Ecological 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: 123070  
Product ID: TYPE 852 DEVELOPER PREMIX,#GB-20004173-8/78  
MSDS Prepared Date: 09/02/1992  
Review Date: 11/05/1993  
MFN: 1  
Multiple KIT Number: 0  
Review IND:  
Y  
Unit Of Issue: BX  
Container QTY: 0  
Type Of Container: PACKAGE  
Additional Data: NOT REGULATED FOR TRANSPOTRTATION  
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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 P  
roper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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IATA PSN 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 MOD

E OF TRANSPORTATION

HAZCOM Label

Product ID: TYPE 852 DEVELOPER PREMIX,#GB-20004173-8/78

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 Review: 11/05/1993

Status Code: C

Label Date: 11/05/1993

Year Procured: 1993

Origin

ation Code: F

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: DUST MAY CAUSE IRRITATION TO THE EYES AND SKIN.

INHALATION OF DUST MAY CAUSE PULMONARY TRACT PROBLEMS. INGESTION:IRRITATION OF GI TRACT. CHRONIC:PANCREATIC DISORDERS, LIVER EFFECTS, AND LUNG FIBROSIS.

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