

3M GENERAL OFFICES -- ADHESIVE -- 8040-00-181-7548

===== Product Identification =====

Product ID:ADHESIVE
MSDS Date:02/14/1995
FSC:8040
NIIN:00-181-7548
Status Code:A
MSDS Number: CKZFM
=== Responsible Party ===
Company Name:3M GENERAL OFFICES
Address:3M CENTER BLDG 224-5S-04
City:ST PAUL
State:MN
ZIP:55144-1000
Country:US
Info Phone Num:1-800-364-3577; 651-737-6501
Emergency Phone Num:999-999-99
99
Preparer's Name:ERNEST CARTER
Chemtrec Ind/Phone:(800)424-9300
CAGE:76381

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M
Address:3M CENTER BLDG 224-5S-04
Box:City:SAINT PAUL
State:MN
ZIP:55144-1000
Country:US
Phone:866-556 5712 / 612-733-1110
CAGE:76381

===== Composition/Information on Ingredients =====

Ingred Name:E 40 (EPOXY RESIN)
CAS:25068-38-6
RTECS #:CE6880000
Minumum % Wt:40.
Maxumum % Wt:50.

Ingred Name:ALUMINIUM
CAS:7429-90-5

RTECS #:BD0330000
Minumum % Wt:30.
Maxumum % Wt:40.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:N-BUTYL GLYCIDYL ETHER
CAS:2426-08-6
RTECS #:TX4200000
Minumum % Wt:1.
Maxumum % Wt:10.
OSHA PEL:270 MG/M3;50 PPM
ACGIH TLV:133 MG/M3;25 PPM

Ingred Name:RESORCINOL
CAS:108-46-3
RTECS #:VG9625000
Minumum % Wt:1.
Maxumum % Wt:10.
ACGIH TLV:45 MG/M3;10 PPM
ACGIH STEL:90 MG/M3;20 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BENTONITE, BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL AMMONIUM
COMPLEX
CAS:68953-58-2
RTECS #:UZ2996400
Minumum % Wt:1.
Maxumum % Wt:10.

Ingred Name:AMORPHOUS SILICA
CAS:7631-86-9
Code:F
Minumum % Wt:1.
Maxumum % Wt:10.

===== Hazards Identification =====

Health Hazards Acute and Chronic:EYE CONTACT: MODERATE EYE IRRITATION:
SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND
HAZY VISION. SKIN CONTACT: ALLERGIC SKIN REACTION: SIGNS/SYMPTOMS
CAN INCLUDE REDNESS, SWELLING, BLISTERING, AND ITCHING

INHALATION: IRRITATION (UPPER RESPIRATORY): SIGNS/SYMPTOMS CAN INCLUDE SORENESS

=====
===== First Aid Measures =====

First Aid: EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: IMMEDIATELY WASH SKIN WITH SOAP AND LARGE AMOUNTS OF WATER. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SWALLOWED: DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER.

=====
===== Fire Fighting Measures =====

Extinguishing Media: WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM
Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED, POSITIVE PRESSURE DEMAND BREATHING APPARATUS, BUNKER COAT AND PANTS, BANDS AROUND ARMS, WAIST AND LEGS, FACE MASK, AND PROTECTIVE COVERING FOR EXPOSED AREAS OF THE HEAD.

=====
===== Accidental Release Measures =====

Spill Release Procedures: REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. IN THE U.S.A. , CALL (612) 733-1110 OR (612) 733-6100 FOR 24-HOUR SPILL ASSISTANCE. COVER WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. PLACE IN A U.S. DOT-APPROVED CONTAINER.

=====
===== Handling and Storage =====

Handling and Storage Precautions: STORE AWAY FROM HEAT. KEEP OUT OF THE REACH OF CHILDREN.

=====
===== Exposure Controls/Personal Protection =====

Respiratory Protection: AVOID BREATHING OF VAPORS CREATED DURING THE CURE CYCLE. AVOID BREATHING OF DUST CREATED BY CUTTING, SANDING OR GRINDING, SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF-MASK DUST RESPIRATOR.

Ventilation: PROVIDE APPROPRIATE LOCAL EXHAUST FOR GRINDING , CUTTING OR

SANDING CURED MATERIAL.

Protective Gloves:AVOID SKIN CONTACT. WEAR APPROPRIATE GLOVES WHEN HANDLING THIS MATERIAL.

Eye Protection:AVOID EYE CONTACT. WEAR VENTED GOGGLES.WEAR SAFETY GLASSES WITH SIDE SHIELDS.

Supplemental Safety and Health

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

Spec Gravity:1.300 WATER=1

VOC Pounds/Gallon:443

Viscosity:PASTE

Solubility in Water:VERY SLIGHT

Appearance and Odor:VISCOUS PASTE, GRAY, LITTLE ODOR

Percent Volatiles by Volume:0.

00%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS. HEAT IS GENERATED DURING CURE. DO NOT CURE A MASS LARGER THAN 50 GRAMS IN A CONFINED SPACE TO PREVENT A PREMATURE REACTION.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE, ALDEHYDES, KETONES, HYDROCARBONS, TOXIC VAPORS, GASES OR PARTICULATES.

Conditions to Avoid Polymerization:WILL NOT OCCUR

=====

===== Disposal Considerations =====

Waste Disposal Methods:CURE PRODUCT ACCORDING TO PRODUCT INSTRUCTIONS. INCINERATE UNCURED WASTE IN AN INDUSTRIAL OR COMMERCIAL INCINERATOR. DISPOSE OF COMPLETELY CURED.

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 this information to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.