

MINNESOTA MINING AND MFG CO -- ALUMINUM EPOXY ADHESIVE -- 8040-00-181-7548

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Product Identification  
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Product ID:ALUMINUM EPOXY ADHESIVE  
MSDS Date:08/22/1996  
FSC:8040  
NIIN:00-181-7548  
Status Code:A  
MSDS Number: CLQSQ  
==== Responsible Party ====  
Company Name:MINNESOTA MINING AND MFG CO  
Address:3M CENTER BLDG 224-5S-04  
City:SAINT PAUL  
State:MN  
ZIP:55144-1000  
Country:US  
Info Phone Num:866-55  
6-5712  
Emergency Phone Num:800-424-9300  
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

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Composition/Information on Ingredients  
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Ingred Name:CLAY  
CAS:68953-58-2  
Code:F  
RTECS #:UZ2996400  
Minimum % Wt:7.  
Maximum % Wt:13.

Ingred

Name:N-BUTYL GLYCIDYL ETHER  
CAS:2426-08-6  
RTECS #:TX4200000  
Minumum % Wt:5.  
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:.5  
Maxumum % Wt:1.5  
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:AMORPHOUS SILICA  
CAS:112945-52-5  
Code:F  
RTECS #:VV7310000  
Minumum % Wt:1.  
Maxumum % Wt:5.

Ingred Name:ALUMINUM PIGMENTS  
CAS:7429-90-5  
Code:F  
RTECS #:BD033000  
0  
Minumum % Wt:30.  
Maxumum % Wt:40.  
OSHA PEL:15 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:EPOXY RESIN  
Minumum % Wt:40.  
Maxumum % Wt:50.

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:EYE CONTACT: MODERATE EYE  
IRRITATION:CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND HAZY  
VISION.SKIN CONTACT: ALLERGIC SKIN REACTION:CAN INCLUDE REDNESS,  
SWELLING, BLISTERING, AND ITCHING. INH

ALATI ON: IRRITATION (UPPER  
RESPIRATORY):CAN INCLUDE SORENESS OF THE NOSE AND THROAT, COUGHING  
AND SNEEZING.IF SWALLOWED: INGESTION MAY CAUSE: IRRITATION OF  
GASTROINTESTINAL TISSUES:CAN INCLUDE PAIN, VOMI TING, ABDOMINAL  
TENDERNESS, NAUSEA, BLOOD IN VOMITUS, AND BLOOD IN FECES.

Medical Cond Aggravated by Exposure:

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

First Aid:EYE CONTACT: FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET  
IMMEDIATELY MEDICAL ATTE  
NTION. SKIN CONTACT: WASH SKIN WITH SOAP  
AND LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHING. IF  
SIGNS/SYMPTOMS O CCUR, CALL PHYSICIAN. WASH CONTAMINATED CLOTHING  
BEFORE REUSE AND DISPOSE OF CONTAMINATED SHOES. INHALATION: REMOVE  
PERSON TO FRESH AIR. IF SWALLOWED: DO NOT INDUCE VOMITING. DRINK  
TWO GLASSES OF WA TER. CALL A PHYSICIAN.

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

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 COVER ING 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  
USA . COVER  
WITH ABSORBENT MA TERIAL. COLLECT SPILLED MATERIAL.  
PLACE IN A US 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 CONC ENTRATION OF CONTAMINANTS AND IN ACCORDANCE  
WITH OSHA REGULATIONS.

Ventilation:PROVIDE APPROPRIATE LOCAL EXHAUST FOR GRINDING, CUTTING OR  
SANDING CURED MATERIA. CURING OVENS MUST BE EXHAUSTED TO OUTDOORS  
OR TO A SUITABLE EMISSION CONTROL.

Protective Gloves:WEAR APPROPRIATE GLOVES.

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

Other Protective Equipment:DO NOT EAT, DRINK, OR SMOKE WHEN US  
ING THIS

PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER. DO NOT  
INGEST.

Supplemental Safety and Health

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

Spec Gravity:1.300 WATER=1

Solubility in Water:VERY SLIGHT

===== 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 (EXOTHERM) WITH PRODUCTION OF INTENSE  
HEAT AND SMOKE.

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:DISPOSE OF COMPLETELY CURED (OR POLYMERIZED)  
MATERIAL IN A SANITARY LANDFILL.

===== Regulatory Information =====

Federal Regulatory Information:VOLATILE ORGANIC COMPOUNDS 0GMS/LITER  
SCAQMD RULE 443.1 CALCULATION. VOC LESS H2O & EXEMPT SOLVENTS: 0  
GMS/ LITER SCAQMD RULE 443.1 CALCULATION.

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