

MINNESOTA MINING AND MFG CO, DBA 3M -- 1751 B/A PART A ALUMINUM EPOXY ADHESIVE --
8040-00-123-6954

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

Product ID:1751 B/A PART A ALUMINUM EPOXY ADHESIVE

MSDS Date:02/14/1995

FSC:8040

NIIN:00-123-6954

Status Code:A

MSDS Number: CLRRP

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:866-556 5712 / 612-733-1110

Emergency Phone Num:800-424-9300

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:76381

=== Contractor Identification ===

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

Ingred Name:AMINES, POLYETHYLENEPOL

Y-, REACTION PRODUCTS WITH

C18-UNSATD. FATTY ACID DIMERS

CAS:68410-23-1

Minimum % Wt:70.

Maximum % Wt:80.

Ingred Name:TRIETHYLENETETRAMINE

CAS:112-24-3

RTECS #:YE6650000

Minimum % Wt:5.

Maximum % Wt:15.

Ingred Name:BENTONITE, BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL AMMONIUM
COMPLEX

CAS:68953-58-2

RTECS #:UZ2996400

Minimum % Wt:1.

Maximum % Wt:10.

Ingred Name:FUMED SILICA

CAS:7631-86-9

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:EYE CONTACT: SEVERE EYE IRRITATION:

SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, CLOUDY APPEARANCE OF THE CORNEA, IMPAIRED VISION AND POSSIBLE PERMANENTLY IMPAIRED VISION. SKIN CONTACT : ALLERGIC SKIN REACTION:

SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, BLISTERING, AND

ITCHING. INHALATION: IRRITATION (UPPER RESPIRATORY): SIGNS/SYMPTOMS CAN INCLUDE SORNESS OF THE

NOSE AND THROAT, COUGHING AND SNEEZING.

IF SWALLOWED: INGESTION MAY CAUSE: IRRITATION OF GASTROINTESTINAL TISSUES: SIGNS/SYMPTOMS CAN INCLUDE PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS, AND BLOOD I N FECES.

Effects of Overexposure:EXPOSURE TO THIS MATERIAL IN NORMAL STORAGE AND HANDLING HAS NOT BEEN REPORTED TO CAUSE SIGNIFICANT ADVERSE HEALTH EFFECTS. HOWEVER, UNDER NORMAL PROCESSING CONDITIONS, E.G. GRINDING OR HEATING, THIS PRODUCT MAY RELEASE FUM

ES AND VAPORS OF VARIABLE

COMPOSITION BASED ON SPECIFIC PROCESS CONDITIONS. THESE PROCESS RELEASES MAY PRODUCE IRRRITATION OR ANY OF THE HEALTH EFFECTS LISTED ABOVE WHEN THE EMI SSIONS ARE PRESENT AT ELEVATED CONCENTRATIONS. USE WITH APPROPRIATE LOCAL EXHAUST VENTILATION.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT: IMMEDIATELY WASH SKIN WITH SOAP AND LARGE AMOUNTS OF WATER. REMO VE CONTAMINATED CLOTHING. IF SIGNS/SYMPTOMS OCCUR, CALL A PHYSICIAN. INHALATION:IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN. IF SWALLOWED: DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER. CALL A PHYSICIAN.

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

Extinguishing Media:WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

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Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF CONTAINED, POSITIVE PRESSURE OR 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.

Unusual Fire/Explosion Hazard:NONE KNOWN.

===== 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. 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 RESPIRATOR.

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

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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.

Other Protective Equipment:GLOVES: POLYETHYLENE/ETHYLENE VINYL ALCOHOL.
Supplemental Safety and Health

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

Spec Gravity:0.950 WATER=1

Viscosity:100000.0-600000.0 CPS

Solubility in Water:NIL

Appearance and Odor:PASTE, AMBER, AMINE ODOR.

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

Stability Indicator/Materials to Avoid: YES

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, OXIDES OF NITROGEN, AMINE COMPOUNDS, 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 (OR POLYMERIZED) MATERIAL IN A SANITARY LANDFILL.

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

Federal Regulatory Information: SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. U.S. EPA HAZARDOUS WASTE NUMBER=NONE (NOT U.S. EPA HAZARDOUS).

State Regulatory Information:

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