

3M GENERAL OFFICES -- 1751 B/A PART B (ALUMINUM) EPOXY ADHESIVE. -- 8040-00-123-6954
===== Product Identification =====

Product ID:1751 B/A PART B (ALUMINUM) EPOXY ADHESIVE.

MSDS Date:07/02/1996

FSC:8040

NIIN:00-123-6954

Status Code:A

MSDS Number: CKFKY

=== Responsible Party ===

Company Name:3M GENERAL OFFICES

Address:3M CENTER

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-7

33-1110

Emergency Phone Num:651-733-1110

CAGE:04963

=== Contractor Identification ===

Company Name:3M MINNESOTA MINING AND MFG CO ADHESIVES SEALERS DIV

Address:3M CTR

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:800-364-3577/651-737-6501(24 HOURS)

CAGE:04963

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

Ingred Name:EPOXY RESIN

CAS:25068-38-6

RTECS #:CE6880000

Minumum % Wt:40.

Maxumum % Wt:50.

Ingred Name:ALUMINUM (FUME OR DUST) PIGMENTS

CAS:7429-90-5

RTE

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

Ingred Name:BUTYL GLYCIDYL ETHER
CAS:2426-08-6
RTECS #:TX4200000
Minumum % Wt:5.
Maxumum % Wt:10.
OSHA PEL:25 PPM (135MG/M3)
ACGIH TLV:25 PPM (135MG/M3)

Ingred Name:RESORCINOL
CAS:108-46-3
RTECS #:VG9625000
Minumum % Wt:.5
Maxumum % Wt:1.5
OSHA PEL:10 PPM(45MG/M3)
OSHA STEL:20 PPM 90 MG/M3
ACGIH TLV:10 PPM(45MG/M3)
ACGIH STEL:90 MG/M3;20 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SILICA
CAS:76
31-86-9
Minumum % Wt:1.
Maxumum % Wt:5.

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Health Hazards Acute and Chronic:EYE CONTACT:MODERATE EYE
IRRITATION:REDNESS,SWELLING,PAIN,TEARING,&HAZY VISION.VAPORS
F/HEATED MATERIAL MAY CAUSE EYE IRRITATION.DUST CREATED BY
CUTTING,GRINDING,SANDING,/MACHINING MAY CAUSE EYE IRRITATION.SKIN
CONTACT:ALLERGIC SKIN
REACTION:REDNESS,SWELLING,BLISTERING&ITCHING.SKI

N

IRRITATION:REDNESS,SWELLING,&ITCHING.MAY BE ABSORBED THROUGH SKIN.INHALATION:IRRITATION(UPPER RESPIRATORY):SORENESS OF NOSE&THROAT,COUGHING&SNEEZING.VAPORS OF HEATED MATERIAL MAY CAUSE RESPIRATORY SYSTEM IRRITATION.DUST F/CUTTING,GRINDING,SANDING/MACHINING MAY CAUSE IRRITATION OF RESPIRATORY SYSTEM.

Effects of Overexposure:INGESTION:MAY CAUSE IRRITATION OF GI TISSUES:PAIN,VOMITING,ABDOMINAL TENDERNESS,NAUSEA,BLOOD IN VOMITUS&FECES.OTHER HEALTH HAZARDS:EXPOSURE

IN NORMAL

STORAGE&HANDLING HAS NOT BEEN REPORTED TO CAUSE SI GNIFICANT ADVERSE HEALTH EFFECTS.HOWEVER,UNDER NORMAL PROCESSING CONDITIONS,E.G. GRINDING/HEATING,MAY RELEASE FUMES&VAPORES OF VARIABLE COMPOSITION BASED ON SPECIFIC PROCESS CONDITIONS.THESE PROCESS R ELEASES MAY PRODUCE IRRITATION/ANY HEALTH EFFECT LISTED ABOVE WHEN EMISSIONS ARE PRESENT@ELEVATED CONCENTRATIONS.USE W/APPROPRIATE LOCAL EXHAUST VENTILATION.

=====
===== 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 WAATER. REMOVE CONTAMINATED C LOTHING. IF SIGNS/SYMPTOMS OCCUR, CAALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE AND DISPOSE OF CONTAMINATED SHOES. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. I F SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN.

INGESTION: IF SWALLOWED DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER. CALL A PHYSICIAN.

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

Flash Point:>148.9C, 300.F
300F

Extinguishing Media:CO2, FOAM, DRY CHEMICAL.

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 PROT ECTIVE COVERI

NG 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. CALL 1-651-733-1110 OR 1-651-733-61 00 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. KEEP CONTAINER TIGHTLY CLOSED.

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

Respiratory Protection:AVOID INHALATION OF VAPORS CREATED DURING THE CURE CYCLE. AVOID INHALATION OF DUST CREATED BY CUTTING, SANDING OR GRINDING, SELECT ONE OF THE FOLLOWING NIOSH APPROVED RES

PIIRATORS 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:POLYETHYLENE/ETHYLENE VINYL ALCOHOL.

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

Work Hygienic Practices:DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER. DO

NOT INGEST.

Supplemental Safety and Health

PROVIDE APPROPRIATE LOCAL EXHAUST FOR GRINDING, CUTTING OR SANDING CURED MATERIAL. CURING OVENS MUST BE EXHAUSTED TO OUTDOORS OR TO A SUITABLE EMISSION CONTROL DEVICE. USE IN A WELL-VENTILATED AREA. IF EXHAUST VENTILATION IS NOT ADEQUATE, USE APPROPRIATE RESPIRATORY PROTECTION.

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

Viscosity:PASTE

Appearance and Odor:VISCOUS PASTE/LITTLE ODOR

=====

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: CO, CO₂, ALDEHYDES, KETONES, HYDROCARBONS, TOXIC VAPORS, GASES OR PARTICULATES.

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

=====

Toxicological Information: REPRODUCTIVE/DEVELOPMENTAL TOXINS: N-BUTYL GLYCIDYL ETHER IS POTENTIAL REPRODUCTIVE HAZARD CAUSING TESTICULAR ATROPHY BY INHALATION & INCREASED INCIDENCE OF FETAL DEATHS BY DERMAL ROUTE OF EXPOSURE IN LAB STUDIES.

===== 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. SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL.

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

SARA Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO KNOW ACT OF 1986 AND 40 CFR PART 372: 1) N-BUTYL

GLYCIDYL ETHER 2) AMORPHOUS SILICA

State Regulatory Information:

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

or the suitability of this information to their particular situation.