

3M COMPANY -- SCOTCH-WELD (TM) 2214 REGULAR EPOXY ADHESIV -- 8040-00-936-3275

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

Product ID:SCOTCH-WELD (TM) 2214 REGULAR EPOXY ADHESIV

MSDS Date:04/12/1989

FSC:8040

NIIN:00-936-3275

MSDS Number: BKJRZ

=== Responsible Party ===

Company Name:3M COMPANY

Address:3M CENTER

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-733-1110

Emergency Phone Num:6

12-733-1110

CAGE:76381

=== 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

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:EPOXY RESIN  
CAS:25068-38-6  
RTECS #:KD4380000  
Fraction by Wt: 40-50%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 30-40%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:EPOXY RESIN  
CAS:9072-62-2  
Fraction by Wt: 1-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:DICYANDIAMIDE  
CAS:461-58-5  
RTECS #:ME9950000  
Fraction by Wt: 1-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:SYNTHETIC ELASTOMER-TRADE SECRET  
Fraction by Wt: 1-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:AMORPHOUS SILICA  
CAS:112945-52-5  
RTECS #:VV7310000  
Fraction by Wt: 1-10%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:3 MG/M3; 6 MG/M3

Ingred Name:PARA-CHLOROPHENOL-DIMETHYLUREA  
CAS:150-68-5  
RTECS #:YS6300000  
Fraction by Wt: 1-10%  
Other REC Limits:NONE SPECIFIED

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

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

ports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic:EYE: DIRECT CONTACT MAY CAUSE IRRITATION. DUST FROM GRINDING, SANDING OR CUTTING OPERATIONS ON THE CURED MATERIAL MAY CAUSE EYE IRRITATION. SKIN: MAY CAUSE SKIN IRRITATION. MAY CAUSE DERMATITIS W/DRYING AND CRACKING OF THE SKIN. MAY CAUSE AN ALLERGIC SKIN REACTION IN SOME INDIVIDUALS. INHALATION: AT ROOM TEMPERATURE\*

Explanation of Carcinogenicity:PARA-CHLOROPHENOL-DIMETHYL UREA IS A SUSPECT

CARCINOGEN BASED ON LAB ANIMAL STUDIES(IARC).NORMAL USE IS NOT AN EXPOSURE.

Effects of Overexposure:\*NO TOXIC EFFECTS EXPECTED. INHALATION OF VAPORS DURING CURING OPERATIONS MAY CAUSE RESPIRATORY SYSTEM IRRITATION. DUST FROM GRINDING, SANDING AND CUTTING OPERATIONS ON THE CURED MATERIAL MAY CAUSE IRRITATION. INGESTION: MAY CAUSE DIGESTIVE SYSTEM IRRITATION.

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

First Aid:EYE: FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 10 MINUTES. CALL A PHYSICIAN. SKIN: WASH AFFECTED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. INHALATION: PROVIDE FRESH AIR. CALL A PHYSICIAN. IF SWALLOWED: DO NOT INDUCE VOMITING. IMMEDIATELY CALL A PHYSICIAN OR POISON CONTROL CENTER.

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

Extinguishing Media:CO2, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

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

Spill Release Procedures:VENTILATE THE AREA. OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COLLECT SPILLED MATERIAL. PLACE IN A CLOSED CONTAINER.

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

Handling and Storage Precautions:AVOID HEAT CONDITIONS. USE ONLY WITH ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATION

NTRATIONS BELOW

RECOMMENDED EXPOSURE LIMITS. AVOID EYE/SKIN CONTACT.

Other Precautions:AVOID BREATHING VAPORS RELEASED DURING HEAT CURING.

CURING OVENS SHOULD BE PROPERLY VENTED TO THE OUTDOORS OR SUITABLE  
EMISSION CONTROL DEVICE. KEEP OUT OF REACH OF CHILDREN.

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

Ventilation:USE ONLY WITH SUFFICIENT VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:WEAR SAFETY GLASSES.

Work Hygienic Practices:WASH CONT  
AMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID EYE CONTACT WITH OR BREATHING DUST FROM CUTTING, GRINDING OR  
SANDING OPERATIONS ON THE CURED MATERIAL.

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

Spec Gravity:1.440 WATER=1

Viscosity:710-826 CST

Solubility in Water:VERY SLIGHT

Appearance and Odor:GRAY, VISCOUS PASTE

Percent Volatiles by Volume:0.00

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

Stability Indicator/Materials

to Avoid:YES

STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:CO, CO2 & NITROGEN DECOMPOSITION  
PRODUCTS, INCLUDING THE POSSIBILITY OF HCN, WHEN SUBJECTED TO  
EXCESSIVE HEAT OR FLAME.

Conditions to Avoid Polymerization:AVOID HEAT SOURCES WHICH CAUSE  
PREMATURE REACTION (EXOTHERM) WITH PRODUCTION OF INTENSE HEAT AND  
SMOKE.

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

Waste Disposal Methods:INCINERATE BULK PRODUCT AFTER MIXING WITH  
FLAMMABLE MATE

RIAL IN AN INDUSTRIAL OR COMMERCIAL FACILITY.

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGULATIONS.

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