

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:612-733-1110

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

Fractio

n 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
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES
Health Hazards A

cute 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 LAUNDRER 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 CONCENTRATIONS 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 CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

A

VOID 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 P

roducts: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 MATERIAL IN AN INDUSTRIAL OR COMMERCIAL FACILITY.
DISPOSAL SHOUL

D BE IN ACCORDANCE WITH APPLICABLE REGULATIONS.

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.