

M-BOND AE RESIN

MSDS Number

BYWHM

National Stock Number

8010-00N062946

Product Name

M-BOND AE RESIN

Manufacturer

MEASUREMENTS GROUP INC

Product Identification

Product ID:M-BOND AE RESIN

MSDS Date:04/19/1994

FSC:8010

NIIN:00N062946

MSDS Number: BYWHM

Responsible Party

MEASUREMENTS GROUP INC

RALEIGH , NC 27611

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 919-365-3800

Preparer: R.L. FRIDLEY

Cage: 88952

Contractor

MEASUREMENTS GROUP INC

WENDELL, NC 27591

US

919-365-3800

Cage: 88952

Ingredients

RESORCINOL; (M-DIHYDROXYBENZENE) (CERCLA)

CAS: 108-46-3

RTECS: VG9625000

Fraction By Weight: 3.0%

OSHA PEL10 PPM

ACGIH TLV: 10 PPM; 20 STEL

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

PROPANE, 1,2-EPOXY-3-PHENOXY-; (PHENYL GLYCIDYL ETHER)

CAS: 122-60-1

RTECS: TZ3675000

Fraction By Weight: 4.0%

OSHA PEL10 PPM
ACGIH TLV: 1 PPM, S

(ORAL, RAT) >4000
RTECS: 9999999ZZ
Fraction By Weight: 93%
OSHA PELN/K
ACGIH TLV: N/K

PROPANE, 2,2-BIS(P-(2,3-EPOXYPROPOXY)PHENYL-; (BISPHENOL A
CAS: 1675-54-3
RTECS: TX3800000
OSHA PELN/K
ACGIH TLV: N/K

EPOXY RESIN
CAS: 25085-99-8
OSHA PELN/K
ACGIH TLV: N/K

PROPANE, 1-CHLORO-2,3-EPOXY-; (EPICHLOROHYDRIN) (SARA
CAS: 106-89-8
RTECS: TX4900000
Fraction By Weight:
OSHA PEL5 PPM, S
ACGIH TLV: 2 PPM, S
EPA Report Quantity: 100 LBS
DOT Report Quantity: 100 LBS

0
RTECS: 9999999VO
OSHA PELN/K
ACGIH TLV: N/K

Hazards

LD50 LC50 Mixture:SEE INGREDIENT 3
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INHALATION: MAY CAUSE RESPIRATORY
CONGESTION. EYES: MAY CAUSE IRRITATION, BURNING SENSATION AND
REDDENING OF EYE. MAY CAUSE SEVERE IRRITATION WITH POSSIBILITY OF
PERMANENT DAMAGE IF LEFT UNTREATED. SK IN: PRIMARILY A SKIN
IRRITANT; IT CAN CAUSE HYPEREMIA, ITCHING AND DERMATITIS
PARTICULARLY TO (EFTS OF OVEREXP)
Explanation of Carcinogenicity:PHENYL GLYCIDYL ETHER: IARC MONOGRAPHS
ON THE EVALUATION OF CARCIN RISK OF CHEMS TO MAN, VOL 47, PG 237,
1989, GROUP 2B.

Effects of Overexposure:HLTH HAZ: SUSCEPTIBLE INDIVIDUALS. INGESTION: MAY CAUSE BURNS OF MOUTH AND THROAT. NO HAZARD ANTICIPATED FROM INGESTION INCIDENTAL TO INDUSTRIAL EXPOSURE. THIS PRODUCT CONTAINS A TRACE OF EPICHLOROHYD RIN. FURTHER STUDIES MAY ESTABLISH A CARCINOGENIC AFFECT OF THIS MATERIAL ON THE HUMAN (MFR). Medical Cond Aggravated by Exposure:ALLERGIC SKIN REACTION AND DERMATITIS IN SENSITIVE INDIVIDUALS.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. SUPPORT BRTHG (GIVE OXYGEN/ARTF RESP) . EYES: IRRIGATE IMMED FOR AT LEAST 15 MIN. CONSULT MD OR OPHTHALMOLOGIST. INGEST: GIVE LG AMTS OF WATER/MILK. DO NOT INDUCE VOM IT. TRANSPORT TO MED FACILITY. SKIN: WASH AFFECTED AREA W/SOAP & WATER & FLUSH W/CLEAN WATER. CONSULT MD. NOTE TO MD: CORR & MAY CAUSE STRICTURE. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL (SUPDAT)

Fire Fighting

Flash Point Method:PMCC
Flash Point:245F,118C
Lower Limits:1.4%
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NONE KNOWN.

Accidental Release

Spill Release Procedures:SOAK UP WITH ABSORBENT MATERIAL. RESIDUAL RESIN MAY BE REMOVED USING STEAM OR HOT SOAPY WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE BELOW 80F (27C) IN A DRY PLACE. AVOID PROLONGED BREATHING OF VAPORS AND SKIN AND EYE CONTACT.
Other Precautions:KEEP CONTAINERS TIGHTLY CAPPED.

Exposure Controls

Respiratory Protection:ADEQUATE VENTILATION TO KEEP BELOW TLV. USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN

Ventilation:LOCAL EXHAUST & MECHANICAL TO KEEP BELOW TLV.

Protective Gloves:NEOPRENE/POLYETHYLENE.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:NEOPRENE/POLYETHYLENE APRON, EMERG EYE WASH AND DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA .

Work Hygienic Practices:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

Supplemental Safety and Health

FIRST AID PROC: &/OR ESOPHAGOSCOPIC CTL. IF BURN IS PRESENT, TREAT AS ANY THERMAL BURN AFTER DECONTAM. NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE - TREATMENT BASED ON JUDGMENT OF MD IN RESPONSE TO RXNS OF PATIENT.

Chemical Properties

Vapor Pres:1 @ 226F

Vapor Density:>3.8

Spec Gravity:1.15 (H*20=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER TO CLEAR LIQUID.

Stability

Stability Indicator/Materials to Avoid:YES

STRONG ALKALINE, ACID, AMINE AND OXIDIZING MATERIALS.

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decomposition Products:BY-PRODUCTS EXPECTED W/INCOMPLETE COMBUSTION OF EPOXY RESINS, PHENOLS, OXIDES OF SILICON AND CARBON.

Conditions to Avoid Polymerization:LARGE MASS REACTIONS IN EXCESS OF

ONE POUND (0.45 KG) WITH ALIPHATIC AMINE SYSTEMS.

Disposal

Waste Disposal Methods:INCINERATE ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.

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