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Material Safety Data Sheet

03/01/2006

SECTION 1

MANUFACTURER:
Glenmarc Industries Inc.
2001 S. Blue Island Ave.
Chicago IL 60608

Emergency Phone:
800-255-3924
Chemtel
Non-emergency Phone:
800-323-5350

Product Description: Part B Epoxy Hardener
PRODUCT NAME:
GEH4001 Hardener

HAZARD RATINGS:

Fire: 1
Health: 2
Reactivity: 1

CHEMICAL FAMILY: Epoxy Hardener
Chemicals, liquid NOIBN Not restricted

SECTION 2 Hazardous Ingredients

	%(optional)	CAS#	PEL/TLV-TWA
Epoxy Hardener	----	90-72-2	----

Key: ----Limits have not been established

SECTION 3

Liquid is slightly irritating to skin and extremely irritating to eyes. Heat may volatilize or release small amounts of polyamines which could produce skin and/or pulmonary irritation and/or sensitization.

ANSI classification: 2

SECTION 4 Occupational exposure limits

None established

SECTION 5 Emergency and First Aide Procedures

Eye Contact: Flush with water for 15 minutes while holding eyelids open. Contact Physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes. Do not Reuse until cleaned. If persistent irritation occurs. Contact Physician.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not Breathing. Contact physician.

If ingested and vomiting has not occurred, emesis should be induced with medical supervision. Keep head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

SECTION 6 Physical Data

Appearance and Odor: White translucent past with sulfur like odor
Boiling Point: N/A
Melting Point: n/a
Vapor Pressure: n/a
Specific Gravity: 1.032 (H₂O=1)
Solubility in Water: Slight
Density @ 20C : 8.66 lbs/gal
% Volatiles per Volume: 0%

SECTION 7 Fire and Explosion Hazards _____

Flash point and method used: >300F Cleveland open cup
Flammable limits/%Volume in Air : LEL/UEL Not established

Extinguishing Media: CO₂, dry chemicals, water fog

Special Fire Fighting Procedures and Precautions: Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus. Cool exposed containers with water spray.

Unusual Fire and Explosion Hazards:

May produce hazardous fumes or decomposition byproducts.

SECTION 8 Reactivity _____

Stability: Stable

Hazardous Polymerization: will not occur

Conditions and Materials to avoid:

Avoid contact with strong oxidizing agents, epoxy resins and amine mixtures when hot. Contact with large masses of epoxy resins generates large quantities of heat due to exothermic reaction.

Hazardous Decomposition Products:

N/A

SECTION 9 Employee Protection _____

Respiratory protection:

Applied or exothermic heat may resulting release of free polyamines. In such cases, use a NIOSH-approved respirator as required to prevent over-exposure. In accord with 29 CFR 1910.134, use either an atmosphere supplying respirator or an air-purifying respirator for organic vapors.

Protective clothing:

Wear impervious gloves and protective clothing as required to prevent skin contact. Wear chemical goggles to prevent eye contact.

Additional Preventive Measures:

Ventilation is required for mixing, application, and curing operations to control vapor concentrations, particularly for processes involving heat. Eye wash fountains should be available for emergency use.

SECTION 10 Environmental Protection _____

Spill or leak procedures:

Use cautious judgment when cleaning up large spills.

Large spills:

Wear respirator and protective clothing as appropriate. Shut off sources of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material. Dispose of properly. Flush area with water to remove trace residue.

Small spills: Take up with an absorbent material and dispose of properly.

If additional clean up is necessary, scrub with 5% acetic acid then rinse with hot water.

Waste disposal: Place in appropriate disposal facility in compliance with local regulations.

This product does not contain any ingredients subject to the reporting requirements of Section 313 Title III , Part 372

SECTION 11 Special Precautions_____

Keep container tightly closed. Store in cool, dry place.

Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse.

SECTION 12 Transportation Requirements_____

Not regulated by D.O.T.

SECTION 13 Supplementary Health /Regulatory Information_____

Not listed as carcinogen with IARC, NTP, OSHA, ACGIH, or Other. Not carcinogenic or potentially carcinogenic.

OSHA permissible limits: OSHA limits have not been established for this product.

ACGIH threshold limits: ACGIH limits have not been established for this product.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk to his use of the material.