

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Thermoseal 500 HY Part B
Manufacturer: Thermoseal LLC
PO Box 32
New Canaan, CT 06840
Phone (800) 853-1577 Fax (888) 319-4486
Supplied by: Thermoseal LLC
Emergency Telephone #: Chemtrec Emergency Number: 800-424-9300
Intended use of Product: Component of a Foam Insulation System

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	% (w/w)	CAS #	Exposure Limit	LD50/LC50
Dimethylethanol amine	0-5%	108-01-0	Not available	1180mg/kg (rat-oral) / 1000mg/l 4hr (rat-inhalation)
1,3-Propane diamine N'-(3-(dimethylamino)propyl)- N,N-dimethyl	0-5%	6711-48-4	Not available	>1.25g/kg (rat-oral) / Not determined

Consult local authorities for acceptable exposure limits

Section 3: HAZARDS IDENTIFICATION

Routes of Exposure: Inhalation, skin contact, eye contact.

Acute Effects:

Skin Contact- May cause severe skin irritation.

Eye Contact - May cause severe eye irritation.

Ingestion - Toxicity is low.

Inhalation- May irritate the respiratory tract and lungs, cause sore throat, and tightness of chest.

Chronic Effects: May cause severe skin and eye irritation and adverse respiratory effects.

See toxicological information (section 11)

Section 4: FIRST AID MEASURES

Skin: Wash area with soap and water, seek medical attention if irritation develops.

Eyes: Immediately flush thoroughly with water for at least 15 minutes. Get prompt medical attention.

Inhalation: No exposure expected. Remove to fresh air.

Ingestion: If conscious, give victim 2 glasses of water. Never give anything to an unconscious person. Get medical attention immediately.

Section 5: FIRE FIGHTING MEASURES

Extinguishing Media: Use water spray, foam, dry chemical, or CO₂. Water spray to cool fire-exposed containers.

Fire Fighting Procedures: Wear self-contained breathing apparatus is required in confined spaces. Cool exposed containers with water.

Flash Point (°C): > 141 (PMCC)

Lower Explosion Limit: Not available

Upper Explosion Limit: Not available

Auto Ignition Temperature: Not available

Hazardous Combustion Products: Oxides of carbon and nitrogen.

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No

Section 6: ACCIDENTAL RELEASE MEASURES

Spill Procedure: Evacuate the area of all unnecessary personnel. Ventilate area. Dike the spill to prevent entry into water system. Wear suitable protective equipment listed under preventative measures including respiratory protection. Use inert absorbent material to clean up spill.

Section 7: HANDLING AND STORAGE

Handling & Storage: Store away from heat and moisture. Store and handle in a well ventilated area. Wear all personal protective equipment when handling.

Special shipping Information: None

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONS

Personal Protection:

Respiratory Protection: Use in adequate ventilation. In poorly ventilated areas, a cartridge respirator for organic vapours is recommended. For large spills or fires a self-contained breathing apparatus is recommended.

Skin Protection: Wear neoprene or butyl rubber gloves, boots and long sleeves are recommended.

Eye protection: Chemical safety goggles or glasses with side shields.

Ventilation: Adequate ventilation to maintain levels below exposure guidelines.

Eye wash and safety equipment should be readily available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Odour: Light ammonia
Appearance: Milky white liquid
Odour threshold: no data
Specific Gravity (H₂O = 1): 1.1 @ 25°C
Freezing Point: 0°C
Viscosity: 1000 cps @20°C
Boiling Pt: 212°C
Vapor Pressure (mm Hg) : Not available
Percent Volatile by vol (%): 20-30% (H₂O)
Vapor Density (Air = 1) . . : Not available
Evaporation Rate (BuAc = 1): Not available
Solubility in Water (%) : Miscible

Section 10: STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature and normal processing conditions.
Conditions to avoid: High temperature, sparks and open flames.
Incompatibility (Materials to avoid): Reacts with strong acids and isocyanates.
Hazardous Decomposition products: oxides of nitrogen and carbon.
Hazardous Polymerization: Polymerization may occur with contact with isocyanates.

Section 11: TOXICOLOGICAL INFORMATION

LD50: oral-rat: 1360 mg/Kg
LD50: Dermal-rabbit: 260 mg/Kg
Carcinogenicity: Data not available.
Teratogenicity/Reproductive effects: Data not available.
Mutagenicity: Not available.
Name of toxicologically synergistic products: Data not available.

Section 12: ECOLOGICAL INFORMATION

No ecological information available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Procedure:
Comply with Federal, provincial, and local regulations on reporting releases.
Consult your local or regional authorities.

Section 14: TRANSPORT INFORMATION

TDG (TRANSPORTATION OF DANGEROUS GOODS) CLASSIFICATION: Not Regulated

Class: Not Regulated

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION: D2B

Domestic Substance List (DSL): No

Section 16: OTHER INFORMATION

References: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Other special considerations: No additional remark

DATE: March 27, 2016

REVISION 1

PREPARED BY: Thermoseal LLC