



MATERIAL SAFETY DATA SHEET

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RT309001 - PERMAX 0.5 - B COMPONENT

1. Product And Company Identification	
Supplier HENRY COMPANY 909 N. Sepulvida Blvd., Suite 650 El Segundo, CA 90245-2724 Company Contact: Technical Services Telephone Number: (800) 486-1278 Web Site: www.henry.com www.bakor.com	Manufacturer HENRY COMPANY 909 N. Sepulvida Blvd., Suite 650 El Segundo, CA 90245-2724 Company Contact: Technical Services Telephone Number: (800) 486-1278 Web Site: www.henry.com www.bakor.com
Supplier Emergency Contacts & Phone Number CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666	Manufacturer Emergency Contacts & Phone Number CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666
Issue Date: 05/26/2010 Product Name: RT309001 - PERMAX 0.5 - B COMPONENT Product Code: RT309001 Product/Material Uses Two part foam insulation	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
2,2'-oxybis(n,n-dimethylethanamine)	3033-62-3		1 - 5
ethoxylated nonylphenol	9016-45-9		10 - 25
polyol blend	Not Avail.		20 - 40
tertiary amine	N/A		1 - 10
chlorinated phosphate ester	13674-84-5		15 - 30

EMERGENCY OVERVIEW	
WARNING! Harful if absorbed through skin. Inhalation of aerosols, vapors or mist from this product may cause irritation to the respiratory tract. Causes eye and skin irritation. Harmful if swallowed.	
Appearance/Odor: Amber liquid/aromatic odor	

3. Hazards Identification
Primary Routes(s) Of Entry Inhalation, skin
Eye Hazards Severe eye irritant.
Skin Hazards Severely irritating to the skin with a single exposure. Harmful if absorbed through skin.
Ingestion Hazards Harmful if swallowed. Ingestion may cause irritation of the mouth, throat and gastrointestinal system. May cause gastric distress, vomiting and diarrhea



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3. Hazards Identification - Continued

Inhalation Hazards

Inhalation of aerosols, vapors or mists may cause irritation of the nose and throat. Symptoms of respiratory tract irritation include sore throat, coughing, wheezing, and shortness of breath. Prolonged overexposure may cause difficulty in breathing and chest pain.

Chronic/Carcinogenicity Effects

None of the ingredients of this product comprising over 0.1% are classified as carcinogenic according to OSHA, National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), (ACGIH) or the American Conference of Governmental Industrial Hygienists (ACGIH).

4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin

Remove contaminated clothing and shoes. In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

Call a physician or a poison control center immediately. DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Wash out mouth with water. If victim is fully conscious, give one or two cups of water to drink. Never give anything by mouth to an unconscious victim. Aspiration of liquid into the lungs during swallowing or vomiting can cause lung inflammation, serious lung damage and even death from chemical pneumonitis.

Inhalation

Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. If not breathing, seek medical attention and give artificial respiration.

5. Fire Fighting Measures

Flash Point: >230 °F >110 °C

Flash Point Method: closed cup

Autoignition Point: N/A °F N/A °C

Lower Explosive Limit: not available

Upper Explosive Limit: not available

Fire And Explosion Hazards

During a fire, toxic and irritating gases may be generated. Closed containers may rupture via pressure build-up when exposed to extreme heat. Closed containers may explode when heated due to increased pressure. Do not puncture, cut open or reuse empty containers.

Extinguishing Media

Water fog, carbon dioxide (CO₂), dry chemical, chemical foam.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Use appropriate personal protective equipment (PPE). Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose of in accordance with applicable regulations. Prevent runoff from entering waterways and sewers.



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<p>7. Handling And Storage</p> <p><u>Handling And Storage Precautions</u> Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from physical damage. Use only with adequate ventilation. Wash thoroughly after handling. Empty containers may contain hazardous residue, do not reuse. Open containers slowly to allow any pressure build-up to vent safely. Do not open or spray near eyes and face.</p>
<p>8. Exposure Controls/Personal Protection</p> <p><u>Engineering Controls</u> Use with adequate ventilation. When used outdoors, stay well away from building air intakes or close the intakes to prevent product from entering building.</p> <p><u>Eye/Face Protection</u> Safety glasses with side shields or goggles recommended. Additional protection such as goggles or faceshield may be used to protect the face from splash or spray, depending on conditions of use.</p> <p><u>Skin Protection</u> Use with chemical-protective gloves to prevent skin contact. Wash hands with soap and water after handling this product. Gloves should be decontaminated or discarded after use.</p> <p><u>Respiratory Protection</u> Airborne exposures to hazardous vapors, mists, or dusts may be generated by mechanical operations such as spraying or general handling. The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health and safety professional. If required, use a NIOSH-approved full face air purifying respirator with organic vapor cartridge and N95 particulate filter or supplied air respirator.</p> <p>Occupational Exposure Limits for individual ingredients (if available) are listed below.</p> <p><u>Ingredient(s) - Exposure Limits</u> 2,2'-oxybis(n,n-dimethylethanamine) ACGIH TLV-STEL 0.15 ppm (Skin) ACGIH TLV-TWA 0.05 ppm (Skin)</p>
<p>9. Physical And Chemical Properties</p> <p><u>Appearance</u> Amber liquid</p> <p><u>Odor</u> Aromatic odor</p> <p>Chemical Type: Mixture Physical State: Liquid Boiling Point: not available °F Specific Gravity: not available Percent VOCs: not available Vapor Pressure: not available Vapor Density: not available pH Factor: not available Solubility: not available Evaporation Rate: not available</p>
<p>10. Stability And Reactivity</p> <p>Stability: Stable Hazardous Polymerization: Not expected to occur</p>



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10. Stability And Reactivity - Continued

Incompatible Materials

Avoid contact with strong oxidizers, strong acids, strong bases, and high temperatures.

Hazardous Decomposition Products

Toxic and irritating gases, vapors or fumes of: carbon monoxide (CO), carbon dioxide (CO₂), oxides of nitrogen and hydrogen chloride.

11. Toxicological Information

Chronic/Carcinogenicity

None of the ingredients present in this product, at concentrations equal to or greater than 0.1%, have been determined to be carcinogenic by IARC, NTP, OSHA, or ACGIH.

Miscellaneous Toxicological Information

Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.

Ingredient(s) - Toxicological Data

2,2'-oxybis(n,n-dimethylethanamine)

oral-rat LD50: 570 mg/kg

dermal-rabbit LD50: 750 mg/kg

chlorinated phosphate ester

oral-rat LD50: 2800 mg/kg

inhal-rat LC50: 4.6 mg/L / 4H

12. Ecological Information

Ecotoxicological Information

No specific information identified.

Toxicity - Aquatic And Terrestrial Plants

Bis (2-dimethylaminoethyl) ether: Algae (LC50, 72 hours) - 23 mg/L

None identified.

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Ground Not restricted

IATA Not restricted

IMDG Not restricted

15. Regulatory Information

SARA Hazard Classes

Acute Health Hazard

SARA Section 313 Notification

This product is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material: Acute health hazard

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15. Regulatory Information - Continued

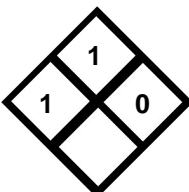
State Regulations

Ethylene oxide-75-21-8-Trace amounts
Toluene-108-88-3-Trace amounts

Warning: This material contains chemicals in trace amounts know to the State of California to cause cancer and birth defects or other reproductive harm.

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2B - Toxic

<p>NFPA</p> 	<p>HMIS</p> <table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;"> </td> </tr> </table>	HEALTH	1	FLAMMABILITY	1	REACTIVITY	0	PERSONAL PROTECTION	
HEALTH	1								
FLAMMABILITY	1								
REACTIVITY	0								
PERSONAL PROTECTION									

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 05/26/2010

Disclaimer

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HENRY COMPANY