

RT 309001 Thermal R RT-3090

1. Product And Company Identification**Supplier**

HENRY COMPANY
2270 Castle Harbor Place
Ontario, CA 91761

Company Contact: R&D Dept.
Telephone Number: 909-947-7224
Web Site: www.resintechnology.com

Manufacturer

HENRY COMPANY
2270 Castle Harbor Place
Ontario, CA 91761

Company Contact: R&D Dept.
Telephone Number: 909-947-7224
Web Site: www.resintechnology.com

Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300

Issue Date: 12/23/2008

Product Name: RT 309001 Thermal R RT-3090

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 - 10
n,n,n'-trimethylaminoethyl-ethanolamine	2212-32-0	3 - 7
Ethoxylated nonylphenol	9016-45-9	10 - 25
Polyether polyol	9082-00-2	15 - 30
chlorinated phosphate ester	13674-84-5	15 - 30
inert ingredients	none	<Balance>

EMERGENCY OVERVIEW

WARNING! Harmful 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

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



RT 309001 Thermal R RT-3090

3. Hazards Identification - Continued

Inhalation Hazards - Continued

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

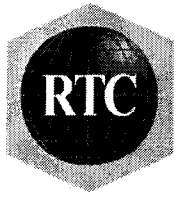
Water fog, carbon dioxide (CO₂), dry chemical, chemical foam.

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.



RT 309001 Thermal R RT-3090

7. Handling And Storage

Handling And Storage Precautions

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.

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate ventilation. When used outdoors, stay well away from building air intakes or close the intakes to prevent product from entering building.

Eye/Face Protection

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.

Skin Protection

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.

Respiratory Protection

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.

Occupational Exposure Limits for individual ingredients (if available) are listed below.

Ingredient(s) - Exposure Limits

2,2'-oxybis(n,n-dimethylethanamine)
ACGIH TLV-STEL 0.15 ppm (Skin)
ACGIH TLV-TWA 0.05 ppm (Skin)

9. Physical And Chemical Properties

Appearance

Amber liquid

Odor

Aromatic odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: not available °F

Specific Gravity: not available

Percent VOCs: not available

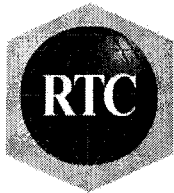
Vapor Pressure: not available

Vapor Density: not available

pH Factor: not available

Solubility: not available

Evaporation Rate: not available

**RT 309001 Thermal R RT-3090****10. Stability And Reactivity****Stability:** Stable**Hazardous Polymerization:** Not expected to occur**Incompatible Materials**

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

Hazardous Decomposition ProductsToxic 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

n,n,n'-trimethylaminoethyl-ethanolamine

oral-rat LD50: >0.50-2.00 g/kg

dermal-rabbit LD50: >2.00 g/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

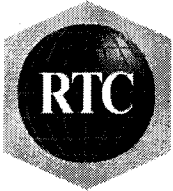
Ground Not restricted

IATA Not restricted

IMDG Not restricted

15. Regulatory Information**SARA Hazard Classes**

Acute Health Hazard



RT 309001 Thermal R RT-3090

15. Regulatory Information - Continued

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

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

NFPA

HMIS

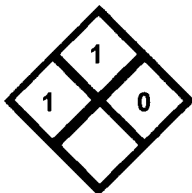


Table with 4 rows: HEALTH (1), FLAMMABILITY (1), REACTIVITY (0), PERSONAL PROTECTION (empty)

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 08/22/2008

Disclaimer

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HENRY COMPANY