



# MATERIAL SAFETY DATA SHEET

Page 1 of 6

## HE276 - GRAY ELASTOMERIC ROOF COATING

1. Product And Company Identification	
<b>Supplier</b> HENRY COMPANY 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <b>Company Contact:</b> Technical Services <b>Telephone Number:</b> (800) 486-1278 <b>Web Site:</b> www.henry.com www.bakor.com	<b>Manufacturer</b> HENRY COMPANY 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <b>Company Contact:</b> Technical Services <b>Telephone Number:</b> (800) 486-1278 <b>Web Site:</b> www.henry.com www.bakor.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666
<b>Issue Date:</b> 10/05/2010  <b>Product Name:</b> HE276 - GRAY ELASTOMERIC ROOF COATING <b>Product Code:</b> HE276	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
acrylic polymer blend	NA - Mixture		10 - 20
aluminum trihydrate	21645-51-2		5 - 15
calcium carbonate	1317-65-3		15 - 30
ethylene glycol	107-21-1		1 - 5
silica, quartz	14808-60-7		0.1 - 1
titanium dioxide	13463-67-7		1 - 5
water	7732-18-5		20 - 40
zinc oxide (as zinc)	1314-13-2		1 - 5

EMERGENCY OVERVIEW	
<b>CAUTION! Direct skin and eye contact may cause irritation. Ingestion may cause gastric distress. Inhalation may cause irritation to the respiratory tract.</b>	
<b>Appearance/Odor: Off white liquid, paint-like odor.</b>	

3. Hazards Identification
<b>Primary Routes(s) Of Entry</b> Inhalation
<b>Eye Hazards</b> May cause minor eye irritation (burning, tearing, redness or swelling).
<b>Skin Hazards</b> None expected, however, prolonged contact may cause irritation.



HE276 - GRAY ELASTOMERIC ROOF COATING

3. Hazards Identification - Continued

**Ingestion Hazards**

May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.

**Inhalation Hazards**

None expected, however, certain individuals may experience minor nausea or headaches.

**Chronic/Carcinogenicity Effects**

This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA. See Section 11 (Toxicological Information) for more details.

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 if irritation develops and persists.

**Skin**

Remove contaminated clothing and shoes. Wash affected areas with soap and water.

**Ingestion**

Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim.

**Inhalation**

Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Contact a physician if symptoms develop.

5. Fire Fighting Measures

**Flash Point:** >212 °F

**Flash Point Method:** Setaflash

**Lower Explosive Limit:** not available

**Upper Explosive Limit:** not available

**Fire And Explosion Hazards**

Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen, oxygen, including carbon monoxide and zinc.

**Extinguishing Media**

Carbon dioxide, water, water fog, dry chemical, chemical foam.

**Fire Fighting Instructions**

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations. Avoid runoff to waterways and sewers.

7. Handling And Storage

**Handling And Storage Precautions**

Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures. Keep out of reach of children.



HE276 - GRAY ELASTOMERIC ROOF COATING

8. Exposure Controls/Personal Protection

**Engineering Controls**

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

**Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

**Skin Protection**

Use with chemical-protective gloves to prevent skin contact.

**Respiratory Protection**

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional. If required, use a NIOSH-approved air purifying respirator with organic vapor cartridge and particulate filter or supplied air respirator. Respirator use may be required due to secondary operations such as mixing, spraying, sanding, buffing, etc.

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

**Ingredient(s) - Exposure Limits**

aluminum trihydrate

- ACGIH TLV-TWA: 10 mg/m3 (as aluminum metal)
- OSHA PEL-TWA: 15 mg/m3 (as aluminum metal) (total dust)
- OSHA PEL-TWA: 5 mg/m3 (as aluminum metal) (respirable dust)

calcium carbonate

- OSHA PEL-TWA 15 mg/m3 (total dust)
- OSHA PEL-TWA 5 mg/m3 (respirable dust)

ethylene glycol

- ACGIH TLV-CEILING 100 mg/m3

silica, quartz

- ACGIH TLV-TWA 0.025 mg/m3
- OSHA PEL-TWA 30mg/m3 / (%SiO2+2) (total dust)
- OSHA PEL-TWA 10 mg/m3/ (%SiO2+2) (respirable dust)

titanium dioxide

- ACGIH TLV-TWA 10 mg/m3 (respirable)
- OSHA PEL-TWA 15 mg/m3 (total dust)

zinc oxide (as zinc)

- ACGIH TLV-STEL 10 mg/m3
- ACGIH TLV-TWA 2 mg/m3
- OSHA PEL-TWA 5 mg/m3
- OSHA PEL-TWA 15 mg/m3

9. Physical And Chemical Properties

**Appearance**

Off white, liquid

**Odor**

Paint-like odor

**Chemical Type:** Mixture

**Physical State:** Liquid

**Boiling Point:** 212 °F



HE276 - GRAY ELASTOMERIC ROOF COATING

<p>9. Physical And Chemical Properties - Continued</p> <p><b><u>Odor - Continued</u></b> <b>Specific Gravity:</b> 1.43 <b>Percent Volatiles:</b> 54.9 <b>Vapor Pressure:</b> 760@ 212°F <b>Vapor Density:</b> &gt;1 <b>pH Factor:</b> 9.3 <b>Solubility:</b> dispersible <b>Evaporation Rate:</b> &lt;1</p>
<p>10. Stability And Reactivity</p> <p><b>Stability:</b> Stable <b>Hazardous Polymerization:</b> Will not occur</p> <p><b><u>Conditions To Avoid (Stability)</u></b> Extreme temperatures</p> <p><b><u>Incompatible Materials</u></b> Strong oxidizers, strong acids</p> <p><b><u>Hazardous Decomposition Products</u></b> Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, zinc fumes and smoke may be produced.</p> <p><b><u>Conditions To Avoid (Polymerization)</u></b> none</p>
<p>11. Toxicological Information</p> <p><b><u>Chronic/Carcinogenicity</u></b> IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz IARC has concluded that the following chemicals in this product are possibly carcinogenic to humans (Group 2B): titanium dioxide ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2): silica, quartz NTP has listed the following chemicals in this product as known human carcinogens: silica, quartz</p> <p>Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist.</p> <p><b><u>Miscellaneous Toxicological Information</u></b> Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.</p> <p><b><u>Ingredient(s) - Toxicological Data</u></b> calcium carbonate     oral-rat LD50: 6450 mg/kg ethylene glycol     LD50 (oral, rat): 5.89 g/kg     LD50 (dermal, rabbit): 9.5 g/kg silica, quartz     iv-rat LD50: 500 mg/kg bw/Quartz (10-200 um) zinc oxide (as zinc)     Oral-mouse LD50: 7950 mg/kg     Inhal-mouse LC50: 2500 mg/m3</p>



HE276 - GRAY ELASTOMERIC ROOF COATING

12. Ecological Information

Do not allow into any sewer, on the ground, or into any body of water.

13. Disposal Considerations

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

14. Transport Information

Ground Not Restricted

IMDG Not Restricted

IATA Not Restricted

15. Regulatory Information

**U.S. Regulatory Information**

Warning: This product contains a substance known to the State of California to cause cancer.

**SARA Hazard Classes**

Acute Health Hazard

**Ingredient(s) - U.S. Regulatory Information**

ethylene glycol

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

zinc oxide (as zinc)

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**Ingredient(s) - State Regulations**

calcium carbonate

Pennsylvania - Workplace Hazard

ethylene glycol

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

silica, quartz

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

California - Proposition 65

Massachusetts - Hazardous Substance

titanium dioxide

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

New York City - Hazardous Substance

zinc oxide (as zinc)

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

Pennsylvania - Workplace Hazard

Pennsylvania - Environmental Hazard

**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: D2A - Very Toxic

**HE276 - GRAY ELASTOMERIC ROOF COATING**

15. Regulatory Information - Continued

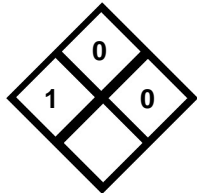
**Ingredient(s) - Canadian Regulatory Information**

ethylene glycol  
 WHMIS - Ingredient Disclosure List  
 silica, quartz  
 WHMIS - Ingredient Disclosure List  
 zinc oxide (as zinc)  
 WHMIS - Ingredient Disclosure List

**WHMIS - Canada (Pictograms)**



**NFPA**



**HMIS**

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	

16. Other Information

**Revision/Preparer Information**

**This MSDS Supersedes A Previous MSDS Dated: 02/11/2008**

Disclaimer

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**HENRY COMPANY**