



# MATERIAL SAFETY DATA SHEET

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## HE176 - POND PATCH

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> 09/06/2011  <b>Product Name:</b> HE176 - POND PATCH <b>Product Code:</b> HE176  <b>Product/Material Uses</b> Pond patching material	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
calcium aluminate	65997-16-2		20 - 40
portland cement	65997-15-1		30 - 60
silica, quartz	14808-60-7		5 - 20

EMERGENCY OVERVIEW	
<b>CAUTION! Direct skin and eye contact may cause irritation.</b>	
<b>Appearance/Odor:</b> Gray to tan granular solid, no odor	

3. Hazards Identification
<b>Primary Routes(s) Of Entry</b> Inhalation
<b>Eye Hazards</b> May cause eye irritation (burning, tearing, redness or swelling).
<b>Skin Hazards</b> May cause skin irritation and contact dermatitis upon prolonged contact.
<b>Ingestion Hazards</b> Not a probable route of exposure, but may cause irritation to the mouth, throat, and digestive tract if swallowed.
<b>Inhalation Hazards</b> Moderate respiratory irritant. Product contains crystalline silica quartz. Repeated inhalation of silica in excess of the TLV over extended periods can result in irreversible fibrosis of the lungs (silicosis).



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3. Hazards Identification - Continued

**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. 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:** not applicable °F not applicable °C

**Lower Explosive Limit:** not applicable

**Upper Explosive Limit:** not applicable

**Fire And Explosion Hazards**

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

**Extinguishing Media**

Carbon dioxide, water fog, dry chemical, chemical foam. Use the appropriate extinguishing media for the surrounding fire.

**Fire Fighting Instructions**

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

6. Accidental Release Measures

Avoid generating dusts. Collect spilled powder by dustless methods and place in containers. If necessary dike spills of mixed material with absorbent material and shovel into waste containers. Wet material may be slippery, use caution to avoid falls. 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.

8. Exposure Controls/Personal Protection

**Engineering Controls**

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.



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8. Exposure Controls/Personal Protection - Continued

**Skin Protection**

Use with chemical-protective gloves to prevent skin contact.

**Respiratory Protection**

Where exposure to dusts from this product may exceed the applicable exposure limits, a NIOSH-approved particulate respirator (N95 or better), or an air purifying respirator equipped with a particulate filter or supplied air respirator should be used. The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional.

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

**Ingredient(s) - Exposure Limits**

calcium aluminate

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

OSAH (PEL-TWA): 15 mg/m3 (total dust)

ACGIH (TLV-TWA): 5 mg/m3 (respirable dust)

ACGIH (TLV-TWA): 10 mg/m3 (total dust)

portland cement

ACGIH TLV-STEL 5 mg/m3 (Proposed)

ACGIH TLV-TWA 10 mg/m3 (Notice of Intended Change)

ACGIH TLV-TWA 1 mg/m3 (Proposed)

OSHA PEL-TWA 50 mppcf

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)

9. Physical And Chemical Properties

**Appearance**

Grey to tan granular powder.

**Odor**

no odor

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** >1500 °F

**Boiling Point:** not applicable °F not applicable °C

**Specific Gravity:** 0.5

**Percent Volatiles:** not applicable

**Vapor Pressure:** not applicabale

**pH Factor:** not available

**Solubility:** slight

**Evaporation Rate:** not applicable

10. Stability And Reactivity

**Stability:** stable

**Hazardous Polymerization:** not expected occur

**Conditions To Avoid (Stability)**

Extreme temperatures



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10. Stability And Reactivity - Continued
<b><u>Incompatible Materials</u></b> Avoid contact with strong oxidizing agents, strong acids. Acids will react with cement, lime, and carbonates.
<b><u>Hazardous Decomposition Products</u></b> Decomposition not likely to occur if handled and stored properly.
11. Toxicological Information
<b><u>Chronic/Carcinogenicity</u></b> IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz  NTP has listed the following chemicals in this product as known human carcinogens: silica, quartz,  ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2): silica, quartz  Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist.
<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.
<b><u>Ingredient(s) - Carcinogenicity</u></b> silica, quartz NTP - Listed On The National Toxicology Program Listed In The IARC Monographs
<b><u>Ingredient(s) - Toxicological Data</u></b> silica, quartz LD50 (iv-rat ): 500 mg/kg bw/Quartz (10-200 um)
12. Ecological Information
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
<b><u>U.S. Regulatory Information</u></b> Warning: This product contains a substance known to the State of California to cause cancer.
<b><u>Ingredient(s) - State Regulations</u></b> portland cement New Jersey - Workplace Hazard Pennsylvania - Workplace Hazard silica, quartz New Jersey - Workplace Hazard Pennsylvania - Workplace Hazard

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15. Regulatory Information - Continued

**Ingredient(s) - State Regulations - Continued**

California - Proposition 65  
 Massachusetts - Hazardous Substance

**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

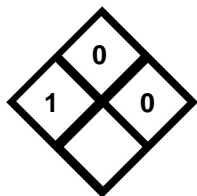
**Ingredient(s) - Canadian Regulatory Information**

silica, quartz  
 WHMIS - Ingredient Disclosure List

**WHMIS - Canada (Pictograms)**



**NFPA**



**HMIS**

HEALTH	<input type="text" value="*1"/>
FLAMMABILITY	<input type="text" value="0"/>
REACTIVITY	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text"/>

16. Other Information

**Revision/Preparer Information**

**This MSDS Supersedes A Previous MSDS Dated: 11/10/2008**

Disclaimer

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**HENRY COMPANY**