



MATERIAL SAFETY DATA SHEET

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HE212 - CRYSTAL-CLEAR ROOF PATCH

1. Product And Company Identification	
Supplier HENRY COMPANY 909 N. Sepulveda 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. Sepulveda 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: 11/12/2008 Product Name: HE212 - CRYSTAL-CLEAR ROOF PATCH Product Code: HE212 Product/Material Uses Sealant	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
ethyl benzene	100-41-4		3 - 9
polymer	9003-55-8		20 - 40
silica, amorphous	112926-00-8		1 - 5
xylene	1330-20-7		30 - 50
inert ingredients			<Balance>

EMERGENCY OVERVIEW	
CAUTION! Vapor may cause light-headedness, headache, nausea, loss of coordination and respiratory tract irritation. Direct skin and eye contact may cause irritation. Ingestion may cause gastric distress.	
Appearance/Odor: liquid, solvent odor.	

3. Hazards Identification
Primary Routes(s) Of Entry Inhalation, skin absorption
Eye Hazards May cause eye irritation (burning, tearing, redness or swelling).
Skin Hazards Causes skin irritation, possible defatting and dermatitis to skin.
Ingestion Hazards May be harmful if swallowed. May cause central nervous system depression, kidney damage, and liver damage. Symptoms may include: headache, excitement, fatigue, nausea, vomiting, stupor, and coma. Causes gastrointestinal



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3. Hazards Identification - Continued

Ingestion Hazards - Continued

irritation with nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. May cause gastric distress, vomiting and diarrhea. May cause irritation to the mouth, throat, and digestive tract.

Inhalation Hazards

Inhalation of vapors or mists may cause irritation of the nose and throat, headaches, nausea, dizziness, disorientation, and numbness in fingers and toes.

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.

Chronic exposure can lead to permanent brain and central nervous system damage.

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: 75 °F 24 °C

Flash Point Method: TCC

Lower Explosive Limit: not available

Upper Explosive Limit: not available

Fire And Explosion Hazards

Flammable liquid. During a fire, toxic and irritating gases may be generated, including carbon dioxide, and carbon monoxide.

Extinguishing Media

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

Fire Fighting Instructions

Keep containers cool with water spray to prevent pressure build up and container rupture which could exacerbate existing fire. Fire fighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

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



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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.

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

If there is a potential for splashing, faceshield over safety glasses or goggles.

Skin Protection

Use with chemical-protective gloves to prevent skin contact.

Respiratory Protection

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

ethyl benzene

ACGIH TLV-STEL 125 ppm

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 100 ppm

silica, amorphous

OSHA PEL-TWA 80 mg/m3 / (%SiO2)

xylene

ACGIH TLV-STEL 150 ppm

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 100 ppm

9. Physical And Chemical Properties

Appearance

liquid

Odor

solvent odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: not applicable °F not applicable °C

Specific Gravity: 1 approx.

Percent Volatiles: approximately 50

Vapor Pressure: not available

Vapor Density: >1

pH Factor: not applicable

Solubility: not soluble

Evaporation Rate: not available



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10. Stability And Reactivity

Stability: stable

Hazardous Polymerization: not expected to occur

Conditions To Avoid (Stability)

Keep away from ignition sources, heat, sparks and flames.

Hazardous Decomposition Products

Decomposition not likely to occur if handled and stored properly.

11. Toxicological Information

Chronic/Carcinogenicity

IARC has concluded that the following chemicals in this product are possibly carcinogenic to humans (Group 2B): ethyl benzene.

Mixed xylenes are considered fetotoxic, based on observations of reduced fetal weight, delayed ossification and persistent behavioral effects in the absence of maternal toxicity. Other developmental effects have been observed in the presence of maternal toxicity.

Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist.

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

ethyl benzene

LC50 (rat) approximately 4000 ppm (4 hour)

LD50 (oral rat) 3500 mg/kg

LD50 (dermal rabbit) 15380 mg/kg (17.8 mL/kg)

xylene

LD50 (oral, rat): 5400 mg/kg

LD50 (dermal, rabbit): 12180 mg/kg

LC50 (rat): 6350 ppm (4-hour exposure)

12. Ecological Information

13. Disposal Considerations

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

14. Transport Information

300 ml and 10.1 oz. Cartridges/Tubes:

Ground (US): Consumer Commodity, ORM-D


Ground (Canada): UN1133, Adhesives, 3, III, Ltd. Qty.

IMDG: UN1133, Adhesives, 3, III, Ltd. Qty.

IATA: UN1133, Adhesives, 3, III, Ltd. Qty.

Pails and Combination Packaging Containing more than 10 L:

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14. Transport Information - Continued	
Ground:	UN1133, Adhesives, 3, III
IMDG:	UN1133, Adhesives, 3, III
IATA:	UN1133, Adhesives, 3, III
<u>DOT (Pictograms)</u>	
	

15. Regulatory Information
<p><u>SARA Hazard Classes</u> Acute Health Hazard</p> <p><u>Ingredient(s) - U.S. Regulatory Information</u> ethyl benzene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical xylene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical</p> <p><u>Ingredient(s) - State Regulations</u> ethyl benzene New Jersey - Workplace Hazard New Jersey - Environmental Hazard New Jersey - Special Hazard Pennsylvania - Workplace Hazard Pennsylvania - Environmental Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance silica, amorphous New Jersey - Workplace Hazard Pennsylvania - Workplace Hazard Massachusetts - Hazardous Substance xylene New Jersey - Workplace Hazard New Jersey - Environmental Hazard New Jersey - Special Hazard Pennsylvania - Workplace Hazard Pennsylvania - Environmental Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance</p> <p><u>Canadian Regulatory Information</u> 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, B2 - Flammable Liquid.</p> <p><u>Ingredient(s) - Canadian Regulatory Information</u> ethyl benzene WHMIS - Ingredient Disclosure List</p> <p><u>European Union (EU) Regulatory Information</u> REACH Pre-registration Information:</p>

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15. Regulatory Information - Continued

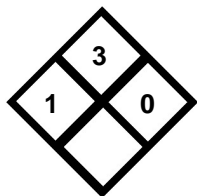
European Union (EU) Regulatory Information - Continued

Substance (CAS#)	Reference Number
Silica, amorphous (112926-00-8)	05-2114501829-45-0000
Xylene (1330-20-7)	05-2114367081-55-0000
Styrene Butadiene Polymer	NA - Polymer (the monomers below have been pre-registered)
-Styrene (100-42-5)	05-2114367032-58-0000
-Buta-1,3-diene (106-99-0)	05-2114367037-48-0000

WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 09/24/2008

Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

HENRY COMPANY