



# MATERIAL SAFETY DATA SHEET

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## HE212 - ALL PURPOSE CRYSTAL CLEAR SEALANT

1. Product And Company Identification			
<b>Supplier</b> HENRY COMPANY 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716  <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 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716  <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> 11/08/2012  <b>Product Name:</b> HE212 - ALL PURPOSE CRYSTAL CLEAR SEALANT <b>Product Code:</b> HE212  <b>Product/Material Uses</b> Sealant			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
ethyl benzene		100-41-4	5 - 10
hydrocarbon resin		68132-00-3	15 - 25
polymer		9003-55-8	15 - 35
silica, amorphous		112926-00-8	1 - 5
mineral oil		8042-47-5	5 - 15
xylene		1330-20-7	25 - 35
Substances in this product have been pre-registered in accordance with the REACH Regulation - (EC) No. 1907/2006. See Section 15 for additional information.			
EMERGENCY OVERVIEW			
<b>CAUTION!</b> 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.  <b>Appearance/Odor:</b> liquid, solvent odor.			
3. Hazards Identification			
<b>Primary Routes(s) Of Entry</b> Inhalation, skin absorption  <b>Eye Hazards</b> May cause eye irritation (burning, tearing, redness or swelling).			

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## 3. Hazards Identification - Continued

**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 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.

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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.

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)  
 mineral oil  
   OSHA PEL-TWA - 5 mg/m3 (mist)  
   ACGIH TLV-TWA - 5 mg/m3 (NIC)  
   ACGIH TLV-TWA - 0.2 mg/m3 (proposed)  
 xylene  
   ACGIH TLV-STEL 150 ppm  
   ACGIH TLV-TWA 100 ppm  
   OSHA PEL-TWA 100 ppm

9. Physical And Chemical Properties  
**Appearance**  
 Viscous clear liquid  
**Odor**  
 solvent odor  
**Chemical Type:** Mixture  
**Physical State:** Liquid  
**Boiling Point:** not applicable °F not applicable °C

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## 9. Physical And Chemical Properties - Continued

**Odor - Continued****Specific Gravity:** 1.09**Percent Volatiles:** approximately 35**Vapor Pressure:** not available**Vapor Density:** >1**pH Factor:** not applicable**Solubility:** not soluble**Evaporation Rate:** not available

## 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) - Carcinogenicity**

mineral oil

Listed In The IARC Monographs

**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

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<p>13. Disposal Considerations</p> <p>Dispose in accordance with applicable federal, state and local government regulations.</p>
<p>14. Transport Information</p> <p>Quart cans, 300 ml and 10.1 oz. Cartridges/Tubes (and limited quantity amounts noted below):</p> <p>Ground (US): UN1133, Adhesives, 3, III, Ltd. Qty. (Up to 5L per inner container - 30 kg gross weight per package) (May be shipped as Consumer Commodity, ORM-D until 12/31/13)</p> <p>Ground (Canada): UN1133, Adhesives, 3, III, Ltd. Qty. (Up to 5L per inner container - 30 kg gross weight per package)</p> <p>IMDG: UN1133, Adhesives, 3, III, Ltd. Qty. (Up to 5L per inner container - 30 kg gross weight per package)</p> <p>IATA: UN1133, Adhesives, 3, III, Ltd. Qty. (Up to 5L per inner container - 10L total per package)</p> <p>Packaging Exceeding Limited Quantities:</p> <p>Ground: UN1133, Adhesives, 3, III</p> <p>IMDG: UN1133, Adhesives, 3, III</p> <p>IATA: UN1133, Adhesives, 3, III</p> <p><b><u>DOT (Pictograms)</u></b></p> 
<p>15. Regulatory Information</p> <p><b><u>U.S. Regulatory Information</u></b></p> <p>Warning: This product contains a substance known to the State of California to cause cancer.</p> <p><b><u>SARA Hazard Classes</u></b></p> <p>Acute Health Hazard</p> <p><b><u>Ingredient(s) - U.S. Regulatory Information</u></b></p> <p>ethyl benzene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical</p> <p>xylene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical</p> <p><b><u>Ingredient(s) - State Regulations</u></b></p> <p>ethyl benzene New Jersey - Workplace Hazard New Jersey - Environmental Hazard New Jersey - Special Hazard Pennsylvania - Workplace Hazard Pennsylvania - Environmental Hazard California - Proposition 65 Massachusetts - Hazardous Substance</p>

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15. Regulatory Information - Continued

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

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

**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, B2 - Flammable Liquid.

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

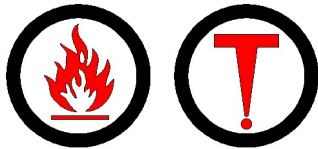
ethyl benzene  
 WHMIS - Ingredient Disclosure List

**European Union (EU) Regulatory Information**


REACH Pre-registration Information:

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)**



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<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">1</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">3</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;"><input type="text"/></td></tr></table>	HEALTH	1	FLAMMABILITY	3	REACTIVITY	0	PERSONAL PROTECTION	<input type="text"/>
HEALTH	1								
FLAMMABILITY	3								
REACTIVITY	0								
PERSONAL PROTECTION	<input type="text"/>								

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 04/07/2011

Disclaimer

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**HENRY COMPANY**