



# MATERIAL SAFETY DATA SHEET

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## BH79011C - 790-11 HOT RUBBERIZED ASPHALT

### 1. Product And Company Identification

|   |   |
|---|---|
| <b>Supplier</b><br>HENRY COMPANY<br>909 N. Sepulveda Blvd., Suite 650<br>El Segundo, CA 90245-2724<br><br><b>Company Contact:</b> Technical Services<br><b>Telephone Number:</b> (800) 486-1278<br><b>Web Site:</b> www.henry.com www.bakor.com | <b>Manufacturer</b><br>HENRY COMPANY<br>909 N. Sepulveda Blvd., Suite 650<br>El Segundo, CA 90245-2724<br><br><b>Company Contact:</b> Technical Services<br><b>Telephone Number:</b> (800) 486-1278<br><b>Web Site:</b> www.henry.com www.bakor.com |
| <b>Supplier Emergency Contacts &amp; Phone Number</b><br>CHEMTREC: (800) 424-9300<br>CHEMTREC: (703) 527-3887<br>CANUTEC: (613) 996-6666  | <b>Manufacturer Emergency Contacts &amp; Phone Number</b><br>CHEMTREC: (800) 424-9300<br>CHEMTREC: (703) 527-3887<br>CANUTEC: (613) 996-6666  |

**Issue Date:** 07/31/2011

**Product Name:** BH79011C - 790-11 HOT RUBBERIZED ASPHALT  
**Product Code:** BH79011C

**Product/Material Uses**

Rubberized asphalt waterproofing membrane

### 2. Composition/Information On Ingredients

| Ingredient Name                                       | CAS Number | Percent Of Total Weight |
|---|------------|-------------------------|
| asphalt, petroleum (oxidized)                         | 64742-93-4 | 10 - 30                 |
| asphalt, petroleum (residues)                         | 64741-56-6 | 15 - 25                 |
| calcium carbonate                                     | 1317-65-3  | 30 - 50                 |
| polymer   | 9003-55-8  | 1 - 5                   |
| silica, quartz  | 14808-60-7 | 0.1 - 1                 |
| solvent dewaxed heavy paraffinic petroleum distillate | 64742-65-0 | 5 - 10                  |
| sulfur  | 7704-34-9  | 1 - 5                   |

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

**This product is solid at room temperature and liquid only while it is heated for application. Heating of this product to high temperatures may produce vapors and/or hydrogen sulfide gas. Inhalation of vapors can cause eye irritation, respiratory tract irritation, and CNS depression with symptoms of nausea, headaches, vomiting, dizziness, fatigue, light-headedness, reduced coordination, unconsciousness and possibly death. Hot asphalt burns skin and eyes. At higher concentrations (above 10 ppm), hydrogen sulfide is extremely toxic by inhalation, may cause respiratory-tract irritation and respiratory failure, coma and death.**

**Appearance and odor:** Black asphaltic solid product, no odor. Hot liquid has characteristic odor.



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| <p>3. Hazards Identification</p> <p><b><u>Primary Routes(s) Of Entry</u></b><br/>Inhalation</p> <p><b><u>Eye Hazards</u></b><br/>May cause eye irritation (burning, tearing, redness or swelling). Contact with hot product can cause severe thermal burns.</p> <p><b><u>Skin Hazards</u></b><br/>May cause skin irritation and contact dermatitis upon prolonged contact. Exposure to asphalt vapors increases sensitivity to sunlight. Contact with hot product will cause severe thermal burns. Dermal sensitization may occur from repeated and prolonged exposures to vapors.</p> <p><b><u>Ingestion Hazards</u></b><br/>May be harmful if swallowed. May cause gastric distress, vomiting and diarrhea.</p> <p><b><u>Inhalation Hazards</u></b><br/>Exposure to vapors may cause respiratory tract irritation. Inhalation of vapors or mists may cause central nervous system depression, light-headedness, headache, nausea and loss of coordination. Heated asphalt may produce hydrogen sulfide, which, at higher concentrations, is extremely toxic by inhalation and may cause respiratory-tract irritation, respiratory failure, coma and death.</p> <p><b><u>Chronic/Carcinogenicity Effects</u></b><br/>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.</p> |
| <p>4. First Aid Measures</p> <p><b><u>Eye</u></b><br/>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.</p> <p><b><u>Skin</u></b><br/>For cold product, wash affected areas with soap and water. For hot product, quench burns with cold water and cover with sterile dressing. DO NOT TRY TO REMOVE THE PRODUCT! Get medical attention immediately.</p> <p><b><u>Ingestion</u></b><br/>Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. Call a physician or poison control center immediately.</p> <p><b><u>Inhalation</u></b><br/>Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.</p>   |
| <p>5. Fire Fighting Measures</p> <p><b>Flash Point:</b> 392 °F 200 °C<br/><b>Flash Point Method:</b> COC<br/><b>Flammability Class:</b> Not flammable</p> <p><b><u>Fire And Explosion Hazards</u></b><br/>During a fire toxic and irritating gases may be generated, such as hydrogen sulfide, sulfur dioxide, 1-3 butadiene, styrene monomer, carbon dioxide and carbon monoxide.</p> <p><b><u>Extinguishing Media</u></b><br/>Chemical foam, carbon dioxide (CO2), dry chemical, or water spray for small fires.</p>  |



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| 5. Fire Fighting Measures - Continued  |
| <b>Fire Fighting Instructions</b><br>Water can be used to cool and protect exposed material. 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  |
| <b>Handling And Storage Precautions</b><br>Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Use only with adequate ventilation. Do not store near strong oxidizers.   |
| 8. Exposure Controls/Personal Protection   |
| <b>Engineering Controls</b><br>Use with adequate general and local exhaust ventilation. Exhaust ventilation required in confined areas. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.  |
| <b>Eye/Face Protection</b><br>Safety goggles when handling melted product.   |
| <b>Skin Protection</b><br>Work gloves (loose), gauntlet style. Protective clothing such as overalls, long-sleeve shirt, and pants.   |
| <b>Respiratory Protection</b><br>The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional.<br><br>Occupational Exposure Limits for individual ingredients (if available) are listed below.<br><br>Hydrogen Sulfide<br>OSHA TWA-STEL 50 ppm<br>OSHA PEAK 50 ppm<br>ACGIH TLV-TWA 10 ppm<br>ACGIH TLV-STEL 15 ppm                         |
| <b>Ingredient(s) - Exposure Limits</b><br>asphalt, petroleum (oxidized)<br>OSHA PEL-TWA 5mg/m3<br>ACGIH TLV-TWA 0.5mg/m3 (Benzene soluble aerosol)<br>asphalt, petroleum (residues)<br>OSHA PEL-TWA 5mg/m3<br>ACGIH TLV-TWA 0.5mg/m3 (Benzene-soluble aerosol)<br>silica, quartz<br>ACGIH TLV-TWA 0.025 mg/m3<br>OSHA PEL-TWA 30mg/m3 / (%SiO2+2) (total dust)<br>OSHA PEL-TWA 10 mg/m3/ (%SiO2+2) (respirable dust) |
| 9. Physical And Chemical Properties  |
| <b>Appearance</b><br>Black asphaltic solid product   |



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9. Physical And Chemical Properties - Continued

**Odor**

Solid product has no odor. Hot liquid has characteristic odor.

**Chemical Type:** Mixture

**Physical State:** Solid

**Boiling Point:** 698 °F 370 °C

**Specific Gravity:** 1.18-1.33

**Percent Volatiles:** 0

**Vapor Pressure:** 0 at 25°C

**Vapor Density:** not applicable

**pH Factor:** not applicable

**Solubility:** insoluble

10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Not expected to occur

**Conditions To Avoid (Stability)**

Hot asphalt may froth over and splatter on contact with water.

**Incompatible Materials**

Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products**

Decomposition will not occur if handled and stored properly. During a fire toxic and irritating gases may be generated, such as hydrogen sulfide, sulfur dioxide, 1-3 butadiene, styrene monomer, carbon dioxide and carbon monoxide.

11. Toxicological Information

**Chronic/Carcinogenicity**

Silica, quartz present in this product, at concentrations equal to or greater than 0.1%, has been determined to be carcinogenic as follows: IARC: Group 1, NTP:listed, OSHA: not regulated, or ACGIH: A2.

**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**

silica, quartz

NTP - Listed On The National Toxicology Program

Listed In The IARC Monographs

solvent dewaxed heavy paraffinic petroleum distillate

Listed In The IARC Monographs

**Ingredient(s) - Toxicological Data**

calcium carbonate

LD50 (oral-rat) : 6450 mg/kg

silica, quartz

LD50 (iv-rat) : 500 mg/kg bw/Quartz (10-200 um)

solvent dewaxed heavy paraffinic petroleum distillate

LD50 (oral, rat) : >5000 mg/kg

LD50 (dermal, rabbit) : >5000 mg/kg



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|  |                       |
|--|-----------------------|
| 12. Ecological Information   |                       |
| None identified  |                       |
| 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>  |                       |
| Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.   |                       |
| <b><u>Ingredient(s) - State Regulations</u></b>  |                       |
| asphalt, petroleum (oxidized)<br>California - Proposition 65   |                       |
| asphalt, petroleum (residues)<br>California - Proposition 65   |                       |
| calcium carbonate<br>Pennsylvania - Workplace Hazard   |                       |
| silica, quartz<br>New Jersey - Workplace Hazard<br>Pennsylvania - Workplace Hazard<br>California - Proposition 65<br>Massachusetts - Hazardous Substance                                 |                       |
| solvent dewaxed heavy paraffinic petroleum distillate<br>New Jersey - Workplace Hazard   |                       |
| sulfur<br>New Jersey - Workplace Hazard<br>Pennsylvania - Workplace Hazard<br>Massachusetts - Hazardous Substance<br>New York City - Hazardous Substance                                 |                       |
| <b><u>Canadian Regulatory Information</u></b>  |                       |
| 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 |                       |
| <b><u>Ingredient(s) - Canadian Regulatory Information</u></b>  |                       |
| silica, quartz<br>WHMIS - Ingredient Disclosure List   |                       |
| <b><u>European Union (EU) Regulatory Information</u></b>   |                       |
| REACH Pre-registration Information:  |                       |
| Substance (CAS#)   | Reference Number      |
| Asphalt, oxidized (64742-93-4)   | 05-2114366965-32-0000 |
| Asphalt, petroleum (64741-56-6)  | 05-2114366977-27-0000 |

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15. Regulatory Information - Continued

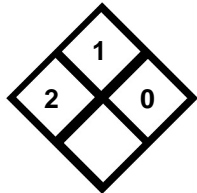
**European Union (EU) Regulatory Information - Continued**

|                               |  |
|-------------------------------|--|
| Calcium Carbonate (1317-65-3) | 05-2114501824-55-0000                                |
| Mineral Oil (64742-65-0)      | 05-2114367021-61-0000                                |
| Sulfur (7704-34-9)            | 05-2114367084-49-0000                                |
| Quartz (14808-60-7)           | 05-2114366999-21-0000                                |
| Styrene Butadiene Polymer     | NA - Polymer (the monomers have been pre-registered) |

**WHMIS - Canada (Pictograms)**



**NFPA**



**HMIS**

|                     |   |
|---------------------|---|
| HEALTH              | 2 |
| FLAMMABILITY        | 1 |
| REACTIVITY          | 0 |
| PERSONAL PROTECTION |   |

16. Other Information

**Revision/Preparer Information**

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

Disclaimer

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