



# MATERIAL SAFETY DATA SHEET

## BH180TFG - HB MOD. PLUS NP180GTFR -GREY

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> 01/18/2013  <b>Product Name:</b> BH180TFG - HB MOD. PLUS NP180GTFR -GREY <b>Product Code:</b> BH180TFG  <b>Product/Material Uses</b> Granulated Roofing Membrane	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
aluminum hydroxide	21645-51-2		15 - 25
asphalt, petroleum	8052-42-4		30 - 60
silica, quartz	14808-60-7		5 - 15
volcanic basalt rock	NA		30 - 50

EMERGENCY OVERVIEW	
<b>CAUTION! This product contains asphalt. Some asphalt contains sulfur compounds which may form hydrogen sulfide when heated or burned. At higher concentrations (above 10 ppm), hydrogen sulfide is extremely toxic by inhalation, may cause respiratory-tract irritation and respiratory failure, coma and death. Direct skin and eye contact may cause irritation.</b>	
<b>Appearance/Odor:</b>	

3. Hazards Identification
<b>Primary Routes(s) Of Entry</b> Inhalation - possible if product becomes airborne, but considered unlikely.
<b>Eye Hazards</b> Particles may cause eye irritation.
<b>Skin Hazards</b> May cause skin irritation and contact dermatitis upon prolonged contact.
<b>Ingestion Hazards</b> Not a probable route of exposure.



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3. Hazards Identification - Continued

**Inhalation Hazards**

Not a probable route of exposure under normal conditions of use.

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. If not breathing, give artificial respiration. Get medical attention immediately.

5. Fire Fighting Measures

**Flammability Class:** Non Flammable

**Fire And Explosion Hazards**

During a fire carbon monoxide, carbon dioxide, oxides of nitrogen and sulfur, hydrogen sulfide, and irritating and/or toxic gases may be generated.

**Extinguishing Media**

Carbon dioxide, water, or dry chemical.

**Fire Fighting Instructions**

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

6. Accidental Release Measures

Collect and dispose in accordance with applicable regulations. Avoid release 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 heat sparks, or flame. Use only with adequate ventilation.

8. Exposure Controls/Personal Protection

**Engineering Controls**

Use with adequate general and local exhaust ventilation.

**Eye/Face Protection**

Safety glasses with side shields recommended.

**Skin Protection**

Use with protective gloves and apron to prevent skin contact.

**Respiratory Protection**

None normally required. Respirator use may be required due to secondary operations such as cutting, sanding, buffing, etc. The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional.

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## 8. Exposure Controls/Personal Protection - Continued

**Respiratory Protection - Continued**

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

Asphalt fume

ACGIH TLV-TWA 0.5 mg/m<sup>3</sup> (Inhalable fraction and vapor)

**Ingredient(s) - Exposure Limits**

aluminum hydroxide

ACGIH TLV-TWA: 10 mg/m<sup>3</sup> (as aluminum metal)

OSHA PEL-TWA: 15 mg/m<sup>3</sup> (as aluminum metal) (total dust)

OSHA PEL-TWA: 5 mg/m<sup>3</sup> (as aluminum metal) (respirable dust)

asphalt, petroleum

OSHA PEL-TWA 5mg/m<sup>3</sup>

ACGIH TLV-TWA 0.5mg/m<sup>3</sup> (Benzene soluble aerosol)

silica, quartz

ACGIH TLV-TWA 0.025 mg/m<sup>3</sup>

OSHA PEL-TWA 30mg/m<sup>3</sup> / (%SiO<sub>2</sub>+2) (total dust)

OSHA PEL-TWA 10 mg/m<sup>3</sup>/ (%SiO<sub>2</sub>+2) (respirable dust)

## 9. Physical And Chemical Properties

**Appearance**

Flexible sheet

**Chemical Type:** Mixture

**Physical State:** Solid

**Boiling Point:** 650-1000 °F 343-538 °C

**Specific Gravity:** >1.0

**Percent Volatiles:** <0.5%

**Vapor Pressure:** not applicable

**Vapor Density:** not available

**pH Factor:** not available

**Solubility:** not available

**Evaporation Rate:** not available

## 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Not expected to occur

**Conditions To Avoid (Stability)**

Extreme temperatures, open flames, and strong oxidants.

**Hazardous Decomposition Products**

Decomposition not expected to occur if handled and stored properly.

**Conditions To Avoid (Polymerization)**

Incomplete combustion

## 11. Toxicological Information

**Chronic/Carcinogenicity**


Crystalline silica (quartz and cristobalite) is listed by IARC as a known human carcinogen, IARC Class 1).



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11. Toxicological Information - Continued
<b>Miscellaneous Toxicological Information</b> Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.
<b>Ingredient(s) - Carcinogenicity</b> silica, quartz NTP - Listed On The National Toxicology Program Listed In The IARC Monographs
<b>Ingredient(s) - Toxicological Data</b> silica, quartz LD50 (iv-rat ): 500 mg/kg bw/Quartz (10-200 um)
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.S. Regulatory Information</b> Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm. Silica is known to the State of California to cause cancer.
<b>Ingredient(s) - State Regulations</b> asphalt, petroleum California - Proposition 65 silica, quartz New Jersey - Workplace Hazard Pennsylvania - Workplace Hazard California - Proposition 65 Massachusetts - Hazardous Substance
<b>Canadian Regulatory Information</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: Not classified or controlled.
<b>Ingredient(s) - Canadian Regulatory Information</b> silica, quartz WHMIS - Ingredient Disclosure List

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<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: right;">*1</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: right;">1</td></tr><tr><td>REACTIVITY</td><td style="text-align: right;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: right;"><input type="text"/></td></tr></table>	HEALTH	*1	FLAMMABILITY	1	REACTIVITY	0	PERSONAL PROTECTION	<input type="text"/>
HEALTH	*1								
FLAMMABILITY	1								
REACTIVITY	0								
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16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 01/25/2010

Disclaimer

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**HENRY COMPANY**