



MATERIAL SAFETY DATA SHEET

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BH180GMG - MOD. PLUS NP180GM4 - GREY

1. Product And Company Identification

| | |
|---|---|
| Supplier HENRY COMPANY 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716 Company Contact: Technical Services Telephone Number: (800) 486-1278 Web Site: www.henry.com www.bakor.com | Manufacturer HENRY COMPANY 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716 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: 09/20/2011

Product Name: BH180GMG - MOD. PLUS NP180GM4 - GREY

Product Code: BH180GMG

Product/Material Uses

Granulated Roofing Membrane

2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | Percent Of Total Weight |
|----------------------|------------|-------------------------|
| asphalt, petroleum | 8052-42-4 | 30 - 60 |
| calcium carbonate | 1317-65-3 | 5 - 15 |
| silica, quartz | 14808-60-7 | 10 - 20 |
| volcanic basalt rock | NA | 30 - 50 |

EMERGENCY OVERVIEW

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. Direct skin and eye contact may cause irritation.

Appearance/Odor: Flexible sheet

3. Hazards Identification

Primary Routes(s) Of Entry

Inhalation - possible if product becomes airborne, but considered unlikely.

Eye Hazards

Particles may cause eye irritation.

Skin Hazards

May cause skin irritation and contact dermatitis upon prolonged contact.

Ingestion Hazards

Not a probable route of exposure.



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| <p>3. Hazards Identification - Continued</p> <p><u>Inhalation Hazards</u> Not a probable route of exposure under normal conditions of use.</p> <p><u>Chronic/Carcinogenicity Effects</u> 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><u>Eye</u> 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><u>Skin</u> Remove contaminated clothing and shoes. Wash affected areas with soap and water.</p> <p><u>Ingestion</u> Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim.</p> <p><u>Inhalation</u> 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.</p> |
| <p>5. Fire Fighting Measures</p> <p>Flammability Class: Non Flammable</p> <p><u>Fire And Explosion Hazards</u> During a fire carbon monoxide, carbon dioxide, oxides of nitrogen and sulfur, hydrogen sulfide, and irritating and/or toxic gases may be generated.</p> <p><u>Extinguishing Media</u> Carbon dioxide, water, or dry chemical.</p> <p><u>Fire Fighting Instructions</u> Firefighters should wear self-contained breathing apparatus and full protective gear.</p> |
| <p>6. Accidental Release Measures</p> <p>Collect and dispose in accordance with applicable regulations. Avoid release to waterways and sewers.</p> |
| <p>7. Handling And Storage</p> <p><u>Handling And Storage Precautions</u> Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from heat sparks, or flame. Use only with adequate ventilation.</p> |
| <p>8. Exposure Controls/Personal Protection</p> <p><u>Engineering Controls</u> Use with adequate general and local exhaust ventilation.</p> <p><u>Eye/Face Protection</u> Safety glasses with side shields recommended.</p> <p><u>Skin Protection</u> Use with protective gloves and apron to prevent skin contact.</p> |



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8. Exposure Controls/Personal Protection - Continued

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.

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

Asphalt fume
ACGIH TLV-TWA 0.5 mg/m3 (Inhalable fraction and vapor)

Ingredient(s) - Exposure Limits

asphalt, petroleum
OSHA PEL-TWA 5mg/m3
ACGIH TLV-TWA 0.5mg/m3 (Benzene soluble aerosol)
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

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

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.



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11. Toxicological Information - Continued

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

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)

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

U.S. Regulatory Information

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.

Ingredient(s) - State Regulations

asphalt, petroleum

California - Proposition 65

calcium carbonate

Pennsylvania - Workplace Hazard

silica, quartz

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

California - Proposition 65

Massachusetts - Hazardous Substance

Canadian Regulatory Information

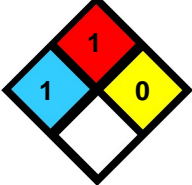
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: Not classified or controlled.

Ingredient(s) - Canadian Regulatory Information

silica, quartz

WHMIS - Ingredient Disclosure List

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| NFPA | HMIS | | | | | | | | |
|---|---|--------|----|--------------|---|------------|---|---------------------|--|
|  | <table border="1"><tr><td>HEALTH</td><td>*1</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td></td></tr></table> | HEALTH | *1 | FLAMMABILITY | 1 | REACTIVITY | 0 | PERSONAL PROTECTION | |
| HEALTH | *1 | | | | | | | | |
| FLAMMABILITY | 1 | | | | | | | | |
| REACTIVITY | 0 | | | | | | | | |
| PERSONAL PROTECTION | | | | | | | | | |

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 09/20/2011

Disclaimer

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HENRY COMPANY