



MATERIAL SAFETY DATA SHEET

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BK88011 - BAKOR 880-11 MB FLASHING ADHESIVE

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: 10/10/2008 Product Name: BK88011 - BAKOR 880-11 MB FLASHING ADHESIVE Product Code: BK88011 Product/Material Uses Asphalt/chlorinated solvent cutback used as adhesive for bitumen modified membrane	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
asphalt, petroleum	8052-42-4		3 - 7
isopropanol	67-63-0		0.1 - 1
perchloroethylene	127-18-4		0.1 - 1
sulfur	7704-34-9		0.1 - 1
toluene	108-88-3		0.1 - 1
trichloroethylene	79-01-6		40 - 70
xylene	1330-20-7		0.1 - 1
inert ingredients			<Balance>
inert ingredients			<Balance>

EMERGENCY OVERVIEW

CAUTION! Vapor may cause light-headedness, headache, nausea, drowsiness, loss of coordination and respiratory tract irritation. Causes eye and skin irritation.

Appearance/Odor: Black liquid with chlorinated solvent odor

3. Hazards Identification
Primary Routes(s) Of Entry Inhalation
Eye Hazards May cause irritation (burning, tearing, redness or swelling).



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3. Hazards Identification - Continued

Skin Hazards

May cause skin irritation, defatting and dermatitis upon prolonged contact.

Ingestion Hazards

May be harmful if swallowed. May cause gastric distress, vomiting and diarrhea.

Inhalation Hazards

Exposure to vapors may cause respiratory tract irritation. Inhalation of vapors or mists may cause central nervous system depression, dizziness, fatigue, nausea, alcohol-like intoxication, and unconsciousness.

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.

4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention.

Skin

Remove contaminated clothing and shoes. Wash affected areas with soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

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.

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

Flash Point: not available °F not available °C

Flammability Class: not flammable

Lower Explosive Limit: 8.0

Upper Explosive Limit: 52.0

Fire And Explosion Hazards

During a fire, irritating and highly toxic gases may be generated.

Extinguishing Media

Chemical foam, carbon dioxide (CO₂), dry chemical. Water fog for large fires.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear. Water can be used to cool and protect exposed material.

6. Accidental Release Measures

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

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7. Handling And Storage

Handling And Storage Precautions

Store in a cool, dry, well-ventilated area. Keep away from ignition sources. Use only with adequate ventilation.

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

Safety glasses with side shields or goggles recommended.

Skin Protection

Use with chemical-protective gloves (solvent-resistant) to prevent skin contact.

Respiratory Protection

Airborne exposures to hazardous vapors or mists may be generated by spraying or use in confined spaces.

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.

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

Ingredient(s) - Exposure Limits

asphalt, petroleum

OSHA PEL-TWA 5mg/m³

ACGIH TLV-TWA 0.5mg/m³ (Benzene soluble aerosol)

perchloroethylene

ACGIH TLV-STEL 100 ppm

ACGIH TLV-TWA 25 ppm

OSHA PEL-CEILING 200 ppm

OSHA PEL-PEAK 300 ppm

OSHA PEL-TWA 100 ppm

toluene

ACGIH TLV-TWA 20 ppm

OSHA PEL-CEILING 300 ppm

OSHA PEL-PEAK 500 ppm

OSHA PEL-TWA 200 ppm

trichloroethylene

ACGIH TLV-TWA 10 ppm

ACGIH TLV-STEL 25 ppm

OSHA PEL-TWA 50 ppm

OSHA STEL-TWA 200 ppm

xylene

ACGIH TLV-STEL 150 ppm

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 100 ppm

9. Physical And Chemical Properties

Appearance

Black liquid

Odor

Chlorinated solvent odor

9. Physical And Chemical Properties - Continued

Odor - Continued**Chemical Type:** Mixture**Physical State:** Liquid**Boiling Point:** approximately 187 °F approximately 86 °C**Specific Gravity:** 1.2-1.3**Percent Volatiles:** 54-60% < 850 g/L**Vapor Pressure:** 58 mmHg@20 °C**Vapor Density:** 4.54**pH Factor:** not applicable**Solubility:** insoluble**Evaporation Rate:** approximately 3

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.

Incompatible Materials

Avoid contact with strong acids, strong bases, strong oxidizers, chemically active metals, copper, aluminum powder, aluminum chloride, potassium nitrate, and strong reducing agents.

Hazardous Decomposition ProductsToxic and irritating gases or vapors including hydrogen chloride, phosgene, chlorine, carbon monoxide (CO), carbon dioxide (CO₂), and oxides of nitrogen and sulfur.

11. Toxicological Information

Chronic/Carcinogenicity

Perchloroethylene is present in this product at concentrations equal to or greater than 0.1%, and has been determined to be carcinogenic as follows: IARC: Group 2A NTP: listed, and ACGIH: A3

Trichloroethylene is present in this product at concentrations equal to or greater than 0.1%, and has been determined to be carcinogenic as follows: IARC: Group 2A NTP: listed, and 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

perchloroethylene

NTP - Listed On The National Toxicology Program
Listed In The IARC Monographs**Ingredient(s) - Toxicological Data**

isopropanol

LD50 (oral, rat): 5000 mg/kg

LC50: 22600 ppm (4-hours)

perchloroethylene


LD50 (oral, rat): 8850 mg/kg

LC50: 5200 ppm (4-hour exposure)

toluene

LD50 (oral, rat): 2600-7500 mg/kg

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11. Toxicological Information - Continued
<p><u>Ingredient(s) - Toxicological Data - Continued</u></p> <p>LC50 (rat) : 7350 ppm (4-hour exposure) LD50 (dermal, rabbit): 12225 mg/kg xylene LD50 (oral, rat): 5400 mg/kg LD50 (dermal, rabbit): 12180 mg/kg LC50 (rat): 6350 ppm (4-hour exposure)</p>
12. Ecological Information
None identified.
13. Disposal Considerations
Dispose in accordance with applicable federal, state and local government regulations.
14. Transport Information
<p>Ground or Water (Domestic Voyage)</p> <p>If shipped in containers < 4 L (1.06 gallons)</p> <p>USA Consumer Commodity, ORM-D Canada Ltd. Qty.</p> <p>If shipped in containers >4 L. (1.06 gallons)</p> <p>Both UN2810, Toxic liquid, organic n.o.s., (Trichloroethylene mixture), 6.1, III IMDG UN2810, Toxic liquid, organic n.o.s., (Trichloroethylene mixture), 6.1, III IATA UN2810, Toxic liquid, organic n.o.s., (Trichloroethylene mixture), 6.1, III</p>
<p><u>TDG - Canada (Pictograms)</u></p> 
15. Regulatory Information
<p><u>U.S. Regulatory Information</u></p> <p>Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.</p> <p><u>Ingredient(s) - U.S. Regulatory Information</u></p> <p>perchloroethylene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical toluene 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></p> <p>asphalt, petroleum California - Proposition 65 perchloroethylene</p>



15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- Pennsylvania - Workplace Hazard
- Pennsylvania - Environmental Hazard
- California - Proposition 65
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance

sulfur

- New Jersey - Workplace Hazard
- Pennsylvania - Workplace Hazard
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance

toluene

- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- Pennsylvania - Workplace Hazard
- Pennsylvania - Environmental Hazard
- California - Proposition 65
- Massachusetts - Hazardous Substance
- New York City - 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: Class D, Div 1 - Poisonous or Infectious Material: immediate and serious toxic effects, Class D, Div 2, Subdivision A - Materials Causing Other Toxic Effects, Very Toxic Material at greater than or equal to 0.1%, Class D, Div 2, Subdivision B - Materials Causing Other Toxic Effects, Toxic Material at greater than or equal to 1.0%

Ingredient(s) - Canadian Regulatory Information

isopropanol

- WHMIS - Ingredient Disclosure List

perchloroethylene

- WHMIS - Ingredient Disclosure List

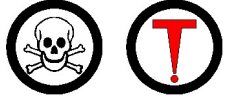
toluene

- WHMIS - Ingredient Disclosure List

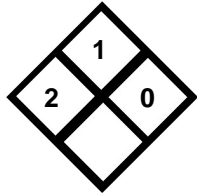
trichloroethylene

- WHMIS - Ingredient Disclosure List

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: 05/01/2006

Disclaimer

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