



MATERIAL SAFETY DATA SHEET

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BK23021 - BAKOR 230-21 RIGID INSULATION ADHESIVE AND VAPOUR BARRIER

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: 07/31/2011 Product Name: BK23021 - BAKOR 230-21 RIGID INSULATION ADHESIVE AND VAPOUR BARRIER Product Code: BK23021 Product/Material Uses Rubber/Resin solvent based adhesive used for thermal insulation and general purpose adhesive	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
bentonite	1302-78-9		1 - 5
calcium carbonate	1317-65-3		30 - 50
hydrocarbon resin	68132-00-3		10 - 20
methylpentane	64742-49-0		10 - 30
mineral oil - poorly refined	64742-65-0		1 - 5
rubber compounds	NA - Mixture		5 - 15
silica, quartz	14808-60-7		0.1 - 1

EMERGENCY OVERVIEW	
WARNING! Flammable liquid and vapor. Vapor may cause light-headedness, headache, nausea, loss of coordination and respiratory tract irritation. Central nervous system depressant. Causes severe eye irritation. Skin and respiratory system irritant.	
Appearance/Odor: Cream colored paste with mild gasoline-like odor.	

3. Hazards Identification
Primary Routes(s) Of Entry Inhalation
Eye Hazards May cause severe eye irritation (burning, tearing, redness or swelling) and blurred vision.
Skin Hazards May cause moderate skin irritation, defatting, and contact dermatitis upon prolonged contact.

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3. Hazards Identification - Continued

Ingestion Hazards

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, light-headedness, headache, nausea and loss of coordination.

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 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. Get medical attention immediately.

5. Fire Fighting Measures

Flash Point: -18.4 °F -28 °C

Flash Point Method: closed cup

Autoignition Point: 446 °F 230 °C

Flammability Class: Class 1B

Lower Explosive Limit: 1.0

Upper Explosive Limit: 7.5

Fire And Explosion Hazards

Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes, including carbon monoxide (CO).

Extinguishing Media

Chemical foam, carbon dioxide (CO₂), or dry chemical, or water spray.

Fire Fighting Instructions

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

6. Accidental Release Measures

Ventilate area. Avoid open flames, sparks or other ignition sources. Contain any liquids and 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

Store in a cool, dry, well-ventilated area. Keep away from ignition sources. Keep containers tightly closed.

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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 solvent-resistant rubber gloves, protective sleeves and solvent-resistant apron 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.

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

Ingredient(s) - Exposure Limits

bentonite

ACGIH TLV-TWA 10 mg/m³ (total dust)

ACGIH TLV-TWA 3 mg/m³ (respirable dust)

OSHA PEL-TWA 15 mg/m³ (total dust)

OSHA PEL-TWA 5 mg/m³ (respirable dust)

mineral oil - poorly refined

ACGIH TLV-TWA 5mg/m³

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

Cream-colored paste

Odor

Mild gasoline-like odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 122 °F 50 °C

Specific Gravity: 1.2

Percent Volatiles: 10-35%

Vapor Pressure: 100-400 at 30 °C

Vapor Density: approximately 3.0

pH Factor: not applicable

Solubility: insoluble

Evaporation Rate: 8-10

10. Stability And Reactivity


Stability: stable

Hazardous Polymerization: not expected to occur

Conditions To Avoid (Stability)

Avoid extreme temperatures. Keep away from ignition sources, heat and flames.

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10. Stability And Reactivity - Continued
<p><u>Incompatible Materials</u> Avoid contact with strong oxidizing agents.</p> <p><u>Hazardous Decomposition Products</u> Decomposition will not occur if handled and stored properly.</p>
11. Toxicological Information
<p><u>Chronic/Carcinogenicity</u> 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.</p> <p><u>Miscellaneous Toxicological Information</u> Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.</p> <p><u>Ingredient(s) - Carcinogenicity</u> silica, quartz NTP - Listed On The National Toxicology Program Listed In The IARC Monographs</p> <p><u>Ingredient(s) - Toxicological Data</u> calcium carbonate LD50 (oral-rat) : 6450 mg/kg mineral oil - poorly refined IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): Mineral Oil - Poorly Refined. ACGIH has designated the following chemicals in this product as a suspected human carcinogen (A2): Mineral Oil - Poorly Refined. silica, quartz LD50 (iv-rat) : 500 mg/kg bw/Quartz (10-200 um)</p>
12. Ecological Information
None identified.
13. Disposal Considerations
Dry material may be disposed of in an approved landfill. Liquid would be hazardous waste and must be disposed of according to all state, federal and provincial regulations.
14. Transport Information
Ground UN1133, Adhesives, 3, II
IMDG UN1133, Adhesives, 3, II
IATA UN1133, Adhesives, 3, II
<u>DOT (Pictograms)</u>


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15. Regulatory Information

U.S. Regulatory Information

Warning: This product contains a substance known to the State of California to cause cancer.

Ingredient(s) - State Regulations

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: Class B2 - Combustible or Flammable Material, WHMIS Classification: D2A - Very Toxic.

Ingredient(s) - Canadian Regulatory Information

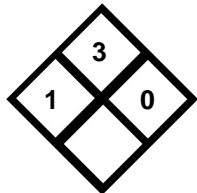
silica, quartz

WHMIS - Ingredient Disclosure List

WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 10/08/2008

Disclaimer

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