



MATERIAL SAFETY DATA SHEET

BK12018 - BAKOR 120-18 LAGGING CTG

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: 08/14/2013 Product Name: BK12018 - BAKOR 120-18 LAGGING CTG Product Code: BK12018 Product/Material Uses Fire resistive lagging coating.	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
bentonite	1302-78-9		1 - 5
calcium carbonate	1317-65-3		10 - 30
polymer blend	NA-Mixture		10 - 20
silica, quartz	14808-60-7		0.1 - 1
titanium dioxide	13463-67-7		1 - 5
water	7732-18-5		40 - 60
calcium silicate	13983-17-0		5 - 10

EMERGENCY OVERVIEW	
CAUTION! May be irritating to the eyes, skin and respiratory tract. May be harmful if swallowed.	
Appearance/Odor: White, medium viscosity liquid. Acetic acid odor.	

3. Hazards Identification
Primary Routes(s) Of Entry Inhalation - possible if product becomes airborne, but considered unlikely.
Eye Hazards May cause eye irritation.
Skin Hazards May cause skin irritation.



BK12018 - BAKOR 120-18 LAGGING CTG

<p>3. Hazards Identification - Continued</p> <p><u>Ingestion Hazards</u> May be harmful if swallowed. May cause gastric distress, vomiting.</p> <p><u>Inhalation Hazards</u> Exposure to vapors may cause respiratory tract irritation.</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> Never give anything by mouth to an unconscious victim. Call a physician or poison control center immediately.</p> <p><u>Inhalation</u> 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>Flash Point: not applicable °F not applicable °C Lower Explosive Limit: not available Upper Explosive Limit: not available</p> <p><u>Fire And Explosion Hazards</u> Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases and vapors including carbon monoxide and carbon dioxide.</p> <p><u>Extinguishing Media</u> Chemical foam, carbon dioxide (CO2), water fog 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>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.</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 freezing. 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. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.</p>

BK12018 - BAKOR 120-18 LAGGING CTG**8. Exposure Controls/Personal Protection - Continued****Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

Skin Protection

Use with chemical-protective gloves to prevent skin contact.

Respiratory Protection

Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

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.

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)

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)

titanium dioxide

ACGIH TLV-TWA 10 mg/m³ (respirable)

OSHA PEL-TWA 15 mg/m³ (total dust)

9. Physical And Chemical Properties**Appearance**

White viscous liquid

Odor

Acetic acid odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 212 °F 100 °C

Specific Gravity: 1.3

Percent Volatiles: 50%

Percent VOCs: <10 g/L

Vapor Pressure: as for water

Vapor Density: as for water

pH Factor: 6 - 8

Solubility: miscible in water, insoluble when dry

Evaporation Rate: as for water

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: not expected to occur

Incompatible Materials

Avoid contact with materials that react with water.



BK12018 - BAKOR 120-18 LAGGING CTG

11. Toxicological Information

Chronic/Carcinogenicity

IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz
IARC has concluded that the following chemicals in this product are possibly carcinogenic to humans (Group 2B): titanium dioxide.
ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2): silica, quartz
NTP has listed the following chemicals in this product as known human carcinogens: silica, quartz

Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist.

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

polymer blend
Listed In The IARC Monographs
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)
titanium dioxide
LD50 (oral, mouse): >10,000 mg/kg
LD50 (oral, rat): >25,000 mg/kg
LD50 (dermal, rabbit): >10,000 mg/kg
LC50 (inhalation,rat): >6820 mg/m3 (4 Hr)

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

Ingredient(s) - State Regulations

calcium carbonate
Pennsylvania - Workplace Hazard
silica, quartz
New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
California - Proposition 65

BK12018 - BAKOR 120-18 LAGGING CTG

15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

Massachusetts - Hazardous Substance
 titanium dioxide
 New Jersey - Workplace Hazard
 Pennsylvania - Workplace Hazard
 New York City - Hazardous Substance
 calcium silicate
 Pennsylvania - Workplace Hazard

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: D2A - Very Toxic

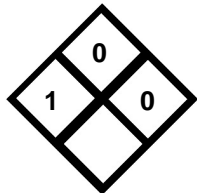
Ingredient(s) - Canadian Regulatory Information

silica, quartz
 WHMIS - Ingredient Disclosure List
 titanium dioxide
 WHMIS - Ingredient Disclosure List

WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 08/26/2010

Disclaimer

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