



# MATERIAL SAFETY DATA SHEET

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## BK12009 - BAKOR 120-09 FIRE RESISTIVE LAGGING COATING HEAVY DUTY

### 1. Product And Company Identification

<b>Supplier</b> <b>HENRY COMPANY</b> 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <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> <b>HENRY COMPANY</b> 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <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

**Issue Date:** 06/07/2011

**Product Name:** BK12009 - BAKOR 120-09 FIRE RESISTIVE LAGGING COATING HEAVY DUTY

**Product Code:** BK12009

#### **Product/Material Uses**

Fire resistive lagging coating.

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
calcium carbonate	1317-65-3	15 - 30
ethylene glycol	107-21-1	1 - 5
polyvinyl acetate	9003-20-7	10 - 20
silica, quartz	14808-60-7	0.1 - 1
titanium dioxide	13463-67-7	1 - 5
tris(2-chloroethyl)phosphate	115-96-8	1 - 5
water	7732-18-5	25 - 45
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 viscous liquid. Acetic acid odor.

### 3. Hazards Identification

#### **Primary Routes(s) Of Entry**

Inhalation

#### **Eye Hazards**

May cause eye irritation.

#### **Skin Hazards**

May cause skin irritation and contact dermatitis upon prolonged contact.



## BK12009 - BAKOR 120-09 FIRE RESISTIVE LA GGING COATING HEAVY DUTY

### 3. Hazards Identification - Continued

#### **Ingestion Hazards**

May be harmful if swallowed. May cause gastric distress, vomiting, diarrhea, blurred vision and central nervous system effects. May cause severe kidney effects.

#### **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.

#### **Signs And Symptoms**

Irritation of the nose, throat, and respiratory tract when inhaled. Upon ingestion, upset stomach, blurred vision, dizziness, and drowsiness may occur.

### 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**

If victim is fully conscious, give one or two cups of water or milk to drink. 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. Get medical attention immediately.

### 5. Fire Fighting Measures

**Flash Point:** None °F

**Flammability Class:** non-flammable

**Lower Explosive Limit:** not available

**Upper Explosive Limit:** not available

#### **Fire And Explosion Hazards**

Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases and vapors including carbon monoxide, carbon dioxide, hydrogen chloride, and phosphorus oxide.

#### **Extinguishing Media**

Chemical foam, carbon dioxide (CO<sub>2</sub>), water fog or dry chemical.

#### **Fire Fighting Instructions**

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

### 6. Accidental Release Measures

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.

**BK12009 - BAKOR 120-09 FIRE RESISTIVE LA GGING  
COATING HEAVY DUTY****7. Handling And Storage****Handling And Storage Precautions**

Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from freezing. Do not handle or store near strong oxidants or strong acids. 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 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**

ethylene glycol

ACGIH TLV-CEILING 100 mg/m<sup>3</sup>

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)

titanium dioxide

ACGIH TLV-TWA 10 mg/m<sup>3</sup> (respirable)

OSHA PEL-TWA 15 mg/m<sup>3</sup> (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:** 1.33

**Percent Volatiles:** 59

**Percent VOCs:** <100 g/L

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**pH Factor:** 6 - 8

**Solubility:** Miscible in water

**Evaporation Rate:** Same as water

## BK12009 - BAKOR 120-09 FIRE RESISTIVE LA GGING COATING HEAVY DUTY

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Incompatible Materials

Avoid contact with strong oxidizing agents and acids.

#### Hazardous Decomposition Products

Toxic and irritating gases, or vapors, such as carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) hydrogen chloride and phosphorus oxide.

### 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

polyvinyl acetate

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

ethylene glycol

LD50 (oral, rat): 5.89 g/kg

LD50 (dermal, rabbit): 9.5 g/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/m<sup>3</sup> (4 Hr)

tris(2-chloroethyl)phosphate

LD50 (oral-rat): 550mg/Kg

LD50 (dermal-rabbit 0: >5000mg/Kg

LD50 (Inhalation-rat) : >5000mg/Kg (4hr.)

### 12. Ecological Information

No specific information available.



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### 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**

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

#### **Ingredient(s) - U.S. Regulatory Information**

ethylene glycol

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

#### **Ingredient(s) - State Regulations**

calcium carbonate

Pennsylvania - Workplace Hazard

ethylene glycol

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

silica, quartz

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

California - Proposition 65

Massachusetts - Hazardous Substance

titanium dioxide

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

New York City - Hazardous Substance

tris(2-chloroethyl)phosphate

California - Proposition 65

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**

ethylene glycol

WHMIS - Ingredient Disclosure List

silica, quartz

WHMIS - Ingredient Disclosure List

titanium dioxide

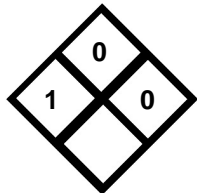
WHMIS - Ingredient Disclosure List

### BK12009 - BAKOR 120-09 FIRE RESISTIVE LAGGING COATING HEAVY DUTY

#### 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: 06/05/2008

#### Disclaimer

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