



MATERIAL SAFETY DATA SHEET

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BK11014S - BAKOR 110-14 VAPOUR BARRIER COATING - SPRAY GRADE

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: 02/20/2014

Product Name: BK11014S - BAKOR 110-14 VAPOUR BARRIER COATING - SPRAY GRADE
Product Code: BK11014S

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
1,2,4-trimethylbenzene	95-63-6	0.1 - 1
petroleum asphalt	8052-42-4	20 - 40
attapulgite	12174-11-7	1 - 5
bentonite	1302-78-9	1 - 5
cellulose fiber	9004-34-6	7 - 13
mica	12001-26-2	10 - 20
silica, quartz	14808-60-7	0.1 - 1
stoddard solvent	8052-41-3	25 - 35
xylene	1330-20-7	0.1 - 1

EMERGENCY OVERVIEW

CAUTION! Combustible Liquid. Central nervous system depressant. Vapor may cause light-headedness, headache, nausea, loss of coordination and respiratory tract irritation. Causes skin irritation.

Appearance/Odor: Black liquid, petroleum odor

3. Hazards Identification

Primary Routes(s) Of Entry Inhalation
Eye Hazards May cause eye irritation (burning, tearing, redness or swelling).
Skin Hazards May cause skin irritation and contact dermatitis upon prolonged contact. Dermal sensitization may occur from repeated and prolonged exposures.



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<p>3. Hazards Identification - Continued</p> <p><u>Ingestion Hazards</u> May be harmful if swallowed. May cause gastric distress, vomiting and diarrhea.</p> <p><u>Inhalation Hazards</u> 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.</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. 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><u>Note To Physician</u> Aspiration of liquid into the lungs during swallowing or vomiting can cause lung inflammation, serious lung damage and even death from chemical pneumonitis.</p>
<p>5. Fire Fighting Measures</p> <p>Flash Point: 107.6 °F 42 °C Flash Point Method: PMCC Autoignition Point: app.473 °F app.245 °C Lower Explosive Limit: 1 Upper Explosive Limit: 6</p> <p><u>Fire And Explosion Hazards</u> Combustible Liquid. Vapors are heavier than air and may spread long distances and ignite. Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes, including SO2 and traces of CO. Main combustion products are H2O, CO2 and C (as heavy smoke).</p> <p><u>Extinguishing Media</u> Chemical foam, carbon dioxide (CO2), dry chemical or water fog. Do not use direct stream of water.</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. For large spills, contain runoff and recover by pumping with explosion proof equipment.</p>

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7. Handling And Storage

Handling And Storage Precautions

Keep away from ignition sources. Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Do not handle or store near heat, sparks, flame, 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

Chemical splash goggles or faceshield over safety glasses or goggles recommended.

Skin Protection

Use with chemical-protective gloves to prevent skin contact.

Respiratory Protection

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. 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. 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

1,2,4-trimethylbenzene

ACGIH TLV-TWA 25 ppm

petroleum asphalt

OSHA PEL-TWA 5mg/m³

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

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)

cellulose fiber

ACGIH TLV-TWA 10 mg/m³

mica

ACGIH TLV-TWA 3 mg/m³

OSHA PEL-TWA 20 mppcf

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)

stoddard solvent

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 500 ppm

xylene

ACGIH TLV-STEL 150 ppm

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 100 ppm

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9. Physical And Chemical Properties

Appearance

Black liquid

Odor

Petroleum odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 302-399.2 °F 150-204 °C

Specific Gravity: 1.00-1.03

Percent Volatiles: 32-40

Vapor Pressure: 7 @38°C/100.4°F

Vapor Density: 3.9

pH Factor: not applicable

Solubility: insoluble in water

Evaporation Rate: 0.1-0.15

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, vapors or fumes, carbon monoxide (CO), carbon dioxide (CO2).

11. Toxicological Information

Chronic/Carcinogenicity

IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz

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) - Toxicological Data

1,2,4-trimethylbenzene

LD50 (oral, rat): 5000 mg/kg

LC50 (rat): 18 g/m3 (4-hour exposure)

cellulose fiber

LD50 (oral, rat): >2000 mg/kg

LC50 (rat): >5800 mg/m3 (4-hour exposure)

silica, quartz

iv-rat LD50: 500 mg/kg bw/Quartz (10-200 um)

stoddard solvent

oral-rat LD50: >5000 mg/kg


dermal-rabbit LD50: >3000 mg/kg

inhal-rat LC50: >5500 mg/m3 (880 ppm)

inhal-rat LC50: >1300 ppm

xylene

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11. Toxicological Information - Continued
<p><u>Ingredient(s) - Toxicological Data - Continued</u> LD50 (oral, rat): 5400 mg/kg LD50 (dermal, rabbit): 12180 mg/kg LC50 (rat): 6350 ppm (4-hour exposure)</p>
12. Ecological Information
No specific information available.
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>Not restricted if shipped in containers <450L (119 gallons) Restricted if shipped in containers >450L (119 gallons)</p> <p>US NA1993, Combustible liquid, n.o.s., (Petroleum Distillates mixture), Combustible liquid, III</p> <p>Canada UN1999, Tars liquid, 3, III</p> <p>Unless departs >flash point:</p> <p>Both UN3256, Elevated Temperature liquid, flammable, n.o.s., (Petroleum Distillates mixture), 3, III</p> <p>IMDG IMDG Code 2.3.2.5 - exempted from marking, labeling & testing of packages</p> <p>IATA UN1999, Tars liquid, 3, III</p>
<p><u>DOT (Pictograms)</u></p> 
15. Regulatory Information
<p><u>U.S. Regulatory Information</u> 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> 1,2,4-trimethylbenzene 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> 1,2,4-trimethylbenzene New Jersey - Workplace Hazard New Jersey - Environmental Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance</p>

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15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

petroleum asphalt

California - Proposition 65

attapulgit

California - Proposition 65

cellulose fiber

Pennsylvania - Workplace Hazard

mica

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

silica, quartz

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

California - Proposition 65

Massachusetts - Hazardous Substance

stoddard solvent

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

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: B3 - Combustible Liquid, D2B - Toxic.

Ingredient(s) - Canadian Regulatory Information

1,2,4-trimethylbenzene

WHMIS - Ingredient Disclosure List

mica

WHMIS - Ingredient Disclosure List

silica, quartz

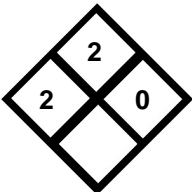
WHMIS - Ingredient Disclosure List

stoddard solvent

WHMIS - Ingredient Disclosure List

WHMIS - Canada (Pictograms)

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NFPA 	HMIS <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">2</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">2</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td></td></tr></table>	HEALTH	2	FLAMMABILITY	2	REACTIVITY	0	PERSONAL PROTECTION	
HEALTH	2								
FLAMMABILITY	2								
REACTIVITY	0								
PERSONAL PROTECTION									

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 02/25/2011

Disclaimer

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