

# Material Safety Data Sheet



## IDENTITY:

*Pro-B (Petroleum Resin Oil Based Emulsion)*

*Pro-BR (Petroleum Resin Oil Based Emulsion Crack Filler)*

## Section I

<b>Manufacturer</b>	
Hills Materials Company	<b>Emergency Telephone Number</b> (605) 394-3300
P.O. Box 2320	<b>Telephone Number for Information</b> (605) 394-3320
Rapid City, SD 57709	<b>Date Prepared</b> November 13, 2002 (Revised)

## Section II—Hazardous Ingredients/Identity Information

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Asphalt Cement (Asphalt)	8052-42-4	5 mg/m <sup>3</sup>	10 ppm
(Hydrogen Sulfide)	7783-06-4	oil mist in air	(8 hr.), H <sub>2</sub> S
Water	7732-18-5	Not Established	Not Established
Petroleum Distillates	68476-34-6	Not Established	Not Established
Petroleum Hydrocarbons	64741-11-6	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

## Section III—Physical/Chemical Characteristics

<b>Boiling Point</b>	212° F, 100° C	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	.98-1.02
<b>Vapor Pressure (mm Hg)</b>	17.54 @ 20° C	<b>Melting Point</b>	N/A
<b>Vapor Density (AIR = 1)</b>	.998 @ 20° C	<b>Evaporation Rate (Butyl Acetate = 1)</b>	1

### Solubility in Water

Readily dispersible

### Appearance and Odor

Oily liquid, no objectionable odor

## Section IV—Fire and Explosion Hazard Data

<b>Flash Point</b> N/A	<b>Flammable Limits</b> N/A	<b>LEL</b> N/A	<b>UEL</b> N/A
<b>Extinguishing Media</b> Dry chemical, CO <sub>2</sub> , or foam.			
<b>Special Fire Fighting Procedures</b> Use self-contained breathing apparatus			
<b>Unusual Fire and Explosion Hazards</b> Dense smoke.			

## Section V—Reactivity Data

<b>Stability</b>	<b>Conditions to Avoid</b>
Stable	Exposure to ignition sources
<b>Incompatibility (Materials to Avoid)</b>	
Strong oxidizing agents such as hydrogen peroxide, bromine, chromic acid	
<b>Hazardous Decomposition or Byproducts</b>	
Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen, Oxides of Sulfur	
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
Will not occur	None

OSHA 174 Sept. 1985

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## Section VI—Health Hazard Data

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<b>Route(s) of Entry</b>	<b>Inhalation?</b> Yes	<b>Skin?</b> Yes	<b>Ingestion?</b> Unlikely
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### Health Hazards

**Acute:** May cause irritation of eyes, skin, lungs

**Chronic:** Prolonged skin contact may cause irritation and under extreme conditions, skin cancer.

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<b>Carcinogenicity:</b>	<b>NTP?</b> No	<b>IARC Monographs?</b> Yes	<b>OSHA Regulated?</b> No
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### Signs and Symptoms of Exposure

Irritation of eyes, lungs, skin

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### Medical Conditions Generally Aggravated by Exposure

Pre-existing respiratory conditions

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### Emergency and First Aid Procedures

Eyes: Flush with clear water for at least 15 minutes. Contact physician immediately.

Skin: Wash with soap and water.

Inhalation: Remove to fresh air.

Ingestion: Do not induce vomiting. Contact physician immediately.

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## Section VII—Precautions for Safe Handling and Use

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### Steps to Be Taken in Case Material Is Released or Spilled

In case of spill or leak- absorb with an inert material such as earth, sand, or vermiculite. Sweep up and dispose of in accordance with federal, state, and local regulations. If spilled into water, remove bulk of product by skimming.

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### Waste Disposal Method

Dispose of in accordance with federal, state, and local regulations.

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### Precautions to Be Taken in Handling and Storing

Avoid prolonged or repeated contact with skin or breathing of vapors, mists, or fumes. Launder contaminated clothing before reuse. Keep containers tightly closed. Avoid strong oxidizers. Eliminate all sources of ignition such as flames or sparks.

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### Other Precautions

This product contains petroleum oils similar to ones categorized by the International Agency for Research on Cancer (IARC) as causing skin cancer in mice after prolonged and repeated contact. Any potential hazard can be minimized by using recommended protective equipment to avoid skin contact and by washing thoroughly after handling.

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## Section VII—Control Measures

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### Respiratory Protection

Use NIOSH/OSHA approved respirator with organic vapor cartridge if vapor concentration exceeds permissible exposure limits.

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<b>Ventilation:</b>	<b>Local Exhaust</b> Yes	<b>Special</b> N/A
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	<b>Mechanical (General)</b> N/A	<b>Other</b> N/A
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<b>Protective Gloves</b> Yes-oil resistant	<b>Eye Protection</b> Chemical safety goggles
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### Other Protective Clothing or Equipment

None

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### Work/Hygienic Practices

Assure effectiveness of respiratory protection. Wash skin with soap and water.

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