

MATERIAL SAFETY DATA SHEET

PALMER ASPHALT COMPANY

Telephone: (201) 339-0855

Manufacturer: Palmer Asphalt Company

Quick Identifier: Bulldog Fibered Emulsion
Roof Coating #401AF

Address: 196 West 5th Street, P.O. Box 58
Bayonne, NJ 07002

MSDS Number: #401AF

Issue Date: June 18, 1990

Emergencies: 201-339-0855
8:00 a.m. - 5:00 p.m. EST

Date Prepared: Rev. April 6, 2011

After Hours Call: CHEMTREC:
800-424-9300 (Domestic - No. America)
703-527-3887 (International)

Prepared By: PRI Asphalt Technologies, Inc.

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Common Name (used on label): Bulldog Fibered Emulsion Roof Coating

CAS Number: N/A, a complex mixture **Chemical Name:** Asphalt, filler, and water mixture **Chemical Family:** N/A

SECTION 2 - COMPOSITION AND INGREDIENT

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or Greater, Carcinogens 0.1% or Greater)	CAS #	ACGIH TLV	Weight %
Water	7732-18-5	n/a	less than 60%
Petroleum Asphalt	8052-42-4	5.0mg/m ³ (fume)	less than 55%
Fillers & Fibers	Mixture	10.0mg/m ³ (dust)	less than 10%
Potassium dichromate	7778-50-9	0.1mg/m ³ (CrO ₃)	less than 0.1%

SECTION 3 - HEALTH AND HAZARD IDENTIFICATION

Emergency Overview: Appearance and odor: dark brown, thick compound with a slight hydrocarbon odor.

Warning Statements: Harmful if swallowed. May cause eye and skin irritation.

SECTION 4 - PRIMARY ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES

Eye Contact: Conjunctivitis, irritation, tearing. Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. **Get medical attention if irritation persists.**

Skin: Irritation or inflammation. Allergic skin reactions may occur. Remove clothing and wash with soap and water.

Inhalation: Not expected to be an inhalation hazard.

Ingestion: Considered unlikely. Do not induce vomiting - aspiration hazard. If spontaneous vomiting occurs, monitor for breathing difficulty. **Get immediate medical attention.**

SECTION 5 - FIRE AND FIRE-FIGHTING MEASURES

Flash Point: Water-based, not applicable. Will not burn until cured.

Hazardous Products of Combustion: H₂S, CO, CO₂, and SOX.

Extinguishing Media: Foam CO₂ or dry chemical extinguishers

Unusual Fire and Explosion Hazards: Stable. Water may cause frothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

If your facility or operation has an "oil or hazardous substance contingency plan," activate the procedure. Take immediate steps to stop and contain the spill. Shut off all sources of ignition.

- Keep people away.
- Recover free product, add limestone, earth, or other suitable absorbents.
- Minimize skin contact and avoid breathing vapors.
- Ventilate confined spaces.
- Keep product out of sewers and waterways by diking or impounding.
- Advise authorities if product has entered sewers, waterways, or extensive land areas.
- Assure conformity with all applicable government regulations.
- Dispose of in an approved facility, see Section 13, Disposal Considerations.

SECTION 7 - HANDLING AND STORAGE

Handling and Storage Precautions: Wear protective clothing, gloves, and OSHA approved eye protection. When not in use, securely replace lid on open containers. Store in a cool, dry area, keep away from heat and corrosion sources.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation: Maintain positive flow of fresh air.

Respiratory Protection: Not applicable.

Eye Protection: Wear OSHA approved glasses, goggles, or full face shield. Have eye baths readily available. Do not wear contact lenses.

Skin Protection: Wear impervious gloves and clothing to prevent skin contact.

Airborne Exposure Limits: OSHA PEL ACGIH TLV
 Petroleum Asphalt No STEL recommended 5 mg/m³

Note: All pigments, fillers, fibers, and extenders in this product are totally encapsulated and do not pose a respirable dust hazard during installation and use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Chemical Formula: Not applicable, mixture

Appearance: Dark brown, thick consistency.

Odor: Very mild hydrocarbon odor.

pH: Approximately 6.0 - 8.0

Melting Point (°F): Not applicable.

Density (lb./gal): Greater than 8.4

Solubility in Water: Insoluble, but miscible with water.

NOTE: These physical data are typical values based on material testing, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

SECTION 10 - STABILITY AND REACTIVITY

Stability: _____ unstable X stable

Hazardous Polymerization: None

Hazardous Decomposition Products: H₂S, CO, CO₂, and SOX

Materials to Avoid: Strong oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

Oral - rat LD50 (mg/kg):	No data available.
Dermal - rabbit LD50 (mg/kg):	No data available.
Eye Irritation - rabbit:	No data available.
Skin Irritation - rabbit (24-hour exposure):	No data available.

SECTION 12 - ECOLOGICAL INFORMATION

This product may cause adverse environmental effects if used improperly or released to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways, or otherwise impacting plant and animal species.

SECTION 13 - DISPOSAL CONSIDERATIONS

This product, when discarded or disposed of, is not specifically listed as a hazardous waste within federal regulations. It could be designated as a hazardous waste according to state regulations. This product could also become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. If such contact occurs, consult 40 CFR, to determine whether it is a hazardous waste.

The transportation, storage, treatment, and disposal of this waste must be conducted in accordance with all applicable federal, state, and local regulations.

SECTION 14 - TRANSPORTATION DATA

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

US DOT: Not classified as a hazardous material under HM-181
CANADIAN: Not determined.

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory: Not determined.

DSL Inventory: Not determined.

WHMIS Classification: Not determined

SARA Hazard Notification:

Hazardous Categories Under Title II Rules (40 CFR 370):	Not applicable.
Section 302 Extremely Hazardous Substances:	Not applicable.
Section 313 Toxic Chemical(s):	Not applicable.

CERCLA Reportable Quantity: Component % by Wt.

CA Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

SECTION 16 - OTHER INFORMATION

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Additional Information</u>
Suggested NFPA ¹ Rating	0	1	0	
Suggested HMIS ¹ Rating	1	0	0	

¹. Hazard Ratings: least = 0 slight = 1 moderate = 2 high = 3 extreme = 4 Based upon NPCA guidelines.

The information and recommendations contained herein are to the best of PALMER ASPHALT'S knowledge and belief, accurate, and reliable as of the date issued. PALMER ASPHALT does not warrant or guarantee their accuracy or reliability, and PALMER ASPHALT shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.

The Environmental Information included under Section 12 hereof as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by PALMER ASPHALT COMPANY in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with PALMER ASPHALT'S interpretation of the available data.

For Other Product Information Contact:

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**MANUFACTURERS OF BULLDOG AND PRIVATE LABEL COLD-APPLIED
 COATINGS AND CEMENTS**