



## MATERIAL SAFETY DATA SHEET

*Quick Identifier:* Polymer Modified High Float Emulsion

*Manufacturer's Name:* Albina Asphalt

*Address:* 801 Main Street, Vancouver, WA 98660

*Other Information Calls:* (360) 816-8540, (541) 475-6638, (541) 884-5109 / Toll Free: (800) 888-5048

### IDENTITY - SECTION I

*Trade Name and Synonyms:* HFRS - P1 ( HFE - 901S )

*CAS Number:* **Mixture**

*Chemical Name:* **N/A**

### COMPOSITION INFORMATION ON INGREDIENTS - SECTION II

INGREDIENTS	CAS. NO.	%	OSHA PEL	ACGIH TLV
Petroleum Asphalt	8052-42-4	>65	NE mgm3	5 mgm3
Water	7732-18-5	balance	NE	NE
Polymer	Proprietary	<6	NE	NE
Emulsifier	Proprietary	<4	NE	NE
Coating Aid	Proprietary	<1	NE	NE

*Additional Comments:*

Though Further Detail On Contents May Be Confidential, All Pertinent Hazards Are Addressed In This MSDS.

### PHYSICAL & CHEMICAL CHARACTERISTICS - SECTION III

<i>Boiling Point:</i>	100C
<i>Vapor Pressure(mm Hg):</i>	N/A
<i>Percent Volatile by volume:</i>	N/A
<i>Solubility in water:</i>	Complete
<i>Specific Gravity (H20=1.00):</i>	1.00 to 1.04
<i>Vapor Density (air@1):</i>	N/A
<i>Evaporation Rate (H20 = 1)</i>	N/A
<i>Reactivity in water:</i>	None
<i>Viscosity @ 122F cSt:</i>	200-800
<i>Appearance and Odor:</i>	Brown Liquid Hydrocarbon and detergent odor

**ADDITIONAL COMMENTS:** Material is a Hydrocarbon/water emulsion and will not ignite until water is driven off.



Carcinogenicity:

There is inadequate evidence that asphalt alone is carcinogenic to humans.

Medical Conditions Aggravated by Exposure:

No adverse reactions expected at concentrations normally encountered.

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### SAFE USAGE INFORMATION - SECTION VII

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HANDLING, STORAGE, & OTHER PRECAUTIONS:

Keep away from heat, sparks, and oxidizing agents. Keep container closed when not in use. Observe all Federal, State and Local regulations when handling, storing or disposing of this material.

ACTION TO BE TAKEN IN CASE OF SPILL OR RELEASE (INCLUDING DISPOSAL):

Shut off area ignition sources. Stop leak if it can be done without risk. Use water spray to reduce vapors. For small spills, use absorbent material and place into container. Dike ahead of large spill for later disposal. Prohibit smoking in affected area. Isolate area and restrict entry.

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### CONTROL MEASURES - SECTION VIII

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VENTILATION REQUIREMENTS:

Provide exhaust ventilation system to meet published exposure limits.

WORK HYGIENE PRACTICES:

Respirator: Selection of respiratory protection must be based upon the airborne level of suspected contaminant. Levels found in the work place must not exceed the working limit of the respirator utilized.

Dermal: Workers must wear appropriate protective clothing, gloves, and equipment to prevent repeated or prolonged contact with skin.

Eyes: Proper eye/face protection must be utilized to protect against splashes and vapors.

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### TRANSPORTATION - SECTION IX

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D.O.T. PROPER SHIPPING NAME (49 CFR 172.101):

Non-hazardous Emulsion

D.O.T. HAZARD CLASS (49 CFR 172.101):

N/A

UN / NA CODE (49 CFR 172.101):

N/A

PACKAGING GROUP (49 CFR 172.101):

N/A

BILL OF LADING DESCRIPTION (49 CFR 172.101):

Non-hazardous Emulsion

D.O.T. LABELS REQUIRED (49 CFR 172.101):

N/A

D.O.T. PLACARDS REQUIRED (49 CFR 172.101):

N/A

REVISED 09/01/09

LEGEND: NE = NONE ESTABLISHED	ND = NO DATA AVAILABLE	NA = NOT APPLICABLE
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