

# ECO MEMBRANE SERIES MATERIAL SAFETY DATA SHEET

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## 1. PRODUCT IDENTIFICATION

Trade Names: ECOLINE-S, ECOBASE, ECOBASE II, ECODAMP, ECOMUL II, ECOLINE-R, ECOLINE-T

Chemical Name: Asphalt Emulsion

Synonyms: N/A

Hazardous Ingredients/OSHA: CHEMICAL FAMILIES:

- A. Bitumen/Asphalt
- B. Synthetic rubber
- C. Fatty acids
- D. Polymers

Hazard: No evidence of serious health hazards exists.

Carcinogenic ingredients/OSHA/NTP: Bitumen IARC: None

## 2. WARNING STATEMENTS

Avoid prolonged or frequent skin contact, as the presence of emulsifying and de-emulsifying agents during application may irritate the skin.

## 3. PHYSICAL AND CHEMICAL DATA

Appearance: Brown to black

Specific Gravity: (H<sub>2</sub>O = 1): 1.028 (S) 1.034 (R) 1.13 (T)

Solubility in Water: Insoluble

Percent Volatiles: None

Boiling Point: N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air = 1): N/A

Evaporation Rate: N/A

## 4. FIRE PROTECTION

Bitumen emulsions are water based products and as such will not burn. In cases of fire in the vicinity of drums, cool with water.

## 5. REACTIVITY DATA

Contact with strong oxidizing agents may create gelling and water condensation.

## 6. HEALTH HAZARD DATA

Exposure Limits: Avoid prolonged or frequent skin contact.

## 7. PHYSIOLOGICAL EFFECTS SUMMARY

Acute: Skin irritation and rash

Chronic: Dermatitis

**8. PRECAUTIONS FOR SAFE HANDLING**

Avoid contact with eyes.  
Avoid inhalation.  
Avoid prolonged or frequent skin contact.  
Avoid ingestion.

**9. PROTECTION AND CONTROL MEASURES**

Protective Equipment: Use of clothing, gloves, and/or barrier cream is recommended for skin protection.  
Respiratory Protection: Inhalation should be avoided, but is not considered to be hazardous.  
Ventilation: Use local exhaust ventilation when applying in an enclosed area.

**10. EMERGENCY AND FIRST AID PROCEDURES**

For ingestion: DO NOT induce vomiting. Keep at rest and get prompt medical attention.  
For eye contamination: Irrigate eyes with water.  
For skin contact: Wash affected areas of the body with proprietary hand cleaner, then wash with soap and water.

Contact physician as needed for any of the above occurrences.

**11. SPILL AND DISPOSAL PROCEDURES**

Contain spillages with sand or earth and remove by normal methods. Dispose of according to State and Local regulations. If the Bitumen enters a water course or sewer, advise respective water authority. The non-cured and cured material is non-toxic and non-flammable and can be disposed of in land fill sites.

Other Precautions: For Additional Information Contact:

Office of Environmental Affairs      1-800-882-1896  
EPRO Services, Inc.  
PO Box 347  
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