

# Enviroseal

## LAS-320-HD POLYMERIC LIQUID ASPHALT /SEALER PROTECTORANT Material Safety Data Sheet (MSDS)

### MANUFACTURERS INFORMATION

#### EMERGENCY PHONE NUMBERS:

772-335-8225 800-775-9474

#### ENVIROSEAL CORPORATION

1019 SE Holbrook Ct., Port St. Lucie, FL 34952

### SECTION I - IDENTITY

Common Name Used on Label: **ENVIROSEAL LAS-320-HD**  
Chemical Name / Chemical Family:  
Proprietary Inorganic Acrylic Co-Polymers 50%  
Proprietary surfactant <1%  
Water 40-47%  
VOC Content: <100 g/l  
Carbon Black: 0.1-10%

Transportation Classification: Item No. 178120/Class 55 Non HAZ-MAT  
Liquid Plastic NOS

ECCN Number **EAR99**

Harmonized Code Sch. B No **3209.10.000**

### SECTION II - HAZARDOUS INGREDIENTS

*SARA Title III page 2 " This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40 CFR 372*

### SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: greater than 100 c  
Specific Gravity: 1.12  
Vapor Pressure: (mm Hg) Not Applicable  
Percent volatile by % Not Applicable  
Vapor Density (air=1) Not Applicable  
Evaporation Rate: Not Applicable  
Appearance & Odor: Viscous BLACK Solution with no odor to slight chemical odor

### SECTION IV - FIRE AND EXPLOSION DATA

pH 5% Product: 8.7  
pH 100% Product: 9.27  
Solubility in Water: Complete  
Reactivity in Water: Mild  
NFPA Code: 000  
Flash Point: None, will not burn  
Extinguisher Media: None, will not burn  
Special Fire Fighting Procedures: None  
Flammable Limits: (in air % by volume): Not applicable  
Auto Ignition Temperature: None  
Unusual Fire and Explosion Hazards: None will not burn, will not explode

### SECTION V - PHYSICAL HAZARDS

Stability: Stable  
Conditions to Avoid: None  
Incompatibility (materials to avoid): some alcohol (can cause gel formation)

### SECTION VI - HAZARDOUS THERMAL DECOMPRESSION

Products: None  
Hazardous Polymerization: Will Not Occur  
Conditions to Avoid: None

### SECTION VII - HEALTH HAZARDS

Threshold Limit Value: None Established  
Effects of Overexposure: May cause slight eye & skin irritation  
Toxicity Information: Non-Toxic  
OSHA Permissible Exposure Limit: None  
ACGIH Threshold Limit Value: None  
Other exposure Limit Used: None Required

### SECTION VIII - EMERGENCY FIRST AID PROCEDURES

Eye Contact: Wash affected area with copious amount of fresh water, If irritation occurs, call physician.  
Ingestion: Direct patient to lie down. If sickness occurs, call physician.  
Skin Contact: Wash affected area with large amounts of soap and water  
Inhalation: May cause irritation, if irritation or sickness occurs, direct patient to lie down and call physician.

### SECTION IX - SPECIAL PROTECTION INFORMATION

NOTE: Safe handling of any chemical is always recommended, the following procedures are recommended for this product as well

Respiratory Protection: None  
Ventilation: Fresh Air  
Protective Gloves: Rubber, may be cleaned by washing off  
Eye Protection: Splash goggles; see section VIII for skin / clothes with water. Alternatively use rubber apron or plastic suit.

### SECTION X - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be taken in Handling: Keep containers tightly capped  
Precautions to be taken in Storage: Keep at moderate temperature.  
In case of Accidental Spillage: Flush spill area with plenty of water  
Waste Disposal Methods: Non Hazardous land fill or in an incinerator

### SECTION XI --TOXICITY INFORMATION

**Acute Data** The information shown in the **HEALTH EFFECTS FROM OVEREXPOSURE** Section is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product Typical data are:

Oral LD50 - rat; >5000 mg/kg  
Dermal LD50 - rabbit : >5000 mg/kg  
Skin irritation - rabbit: practically non-irritating  
Eye Irritation - Rabbit : Inconsequential irritation  
The aquatic 7-day LC50 for daphnids\* was greater than 800 mg/L.  
The aquatic 7-day LC50 for trout was greater than 1000 mg/L.  
pH value 9.27  
BOD value 4940 mg/l.  
COD value 952,000 mg/L

\* invertebrate species

The LC50 values are approximately 10-fold higher than the EPA's lowest toxicity criteria, thus results obtained for Enviroseal LAS-320 are approximately 10-fold less toxic than materials which minimally meet the 100 mg/L, "practically non-toxic", criteria established by the EPA. The data are consistent with those for compositionally similar acrylic emulsions. The data do not suggest there is a concern for adverse environmental impact from proper use or even inadvertent misuse of Enviroseal LAS-320

### ADDITIONAL INFORMATION

**DOT (U.S. Department of Transportation)CLASS 55 NONHAZMAT SHIPPING NAME): ENVIROSEAL LAS-320-HD MSDS (NON-REGULATED)**

**Packaging Size:** 5-Gallon (19 Liter) Pails  
55 Gallon Drum (208 liter)  
264 Gallon (disposable Tote),(1) 1000 Liter  
275 Gallon Tote (1041 liter)  
330 Gallon Tote (1250 liter)  
5000 gallon tankers / flex tanks

The data contained in this MSDS is based on data, which is considered to be accurate. However, there is no guarantee of warranty, either expressed or implied of the accuracy or completeness of this information. Any loss incurred during storage, handling, transportation, use or disposal is expressly disclaimed.

Thomas H Stevens, President Revised 2-16-12