



**DURASEAL ZERO™ CONCRETE & MASONRY SEALER  
MATERIAL SAFETY DATA SHEET (MSDS)**

**MANUFACTURERS INFORMATION**

**EMERGENCY PHONENUMBERS: 772-335-8225 800-775-9474**  
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**1019 SE Holbrook Ct. – Port St. Lucie, FL 34952**

**SECTION I - IDENTITY**

Common Name Used on Label: **Duraseal ZERO™**  
 Chemical Name / Chemical Family: 100% Acrylic  
 Transportation Classification: Item No. 178120 / Class 55, Non HAZ-MAT  
 Liquid plastic NOS  
**ECCN Number: EAR99**  
**Harmonized Code, Schedule B No. 3209.10.0000**

**SECTION II - HAZARDOUS INGREDIENTS**

Principal Hazardous Components	%	TLV (UNITS)	PRODUCT CAS No.
Proprietary Co-Polymer:15-29 Individual Residual		None Established	Non Hazardous
Monomers	<0.1	None Established	Not Required
Aqua Ammonia	<0.1	1336-21-6	
Water:	70-85	7732-18-5	

**All ingredient in this product are on the TSCA Inventory List**

**SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS**

pH: 8.6  
 Boiling Point: greater than 100 c / 212 f  
 Melting Point: -1c /29f  
 Specific Gravity: (water=1) 1.0001-1.115  
 Vapor Pressure: (mm Hg) 17. mm Hg @ 20<sup>o</sup> C/68f Water  
 Vapor Density (air=1) < 1  
 Evaporation Rate: (Bac=1) < 1 Water  
 Appearance: Milky white  
 State: Liquid  
 Solubility in Water: Dilutable  
 VOC <2 g/l EPA Test Method 24

**SECTION IV - FIRE AND EXPLOSION DATA**

Reactivity in Water: None  
 NFPA Code: 000  
 Flash Point: None, will not burn.  
 Extinguisher Media: Determined by surrounding materials, CO2, Foam, Dry Powder, water , spray or fog.  
 Special Fire Fighting Procedures: None  
 Flammable Limits: (in air % by volume): Not applicable  
 Auto Ignition Temperature: None  
 Unusual Fire and Explosion Hazards: None  
 Hazards: Polymer film can burn

**SECTION V - PHYSICAL HAZARDS**

Stability: Stable  
 Conditions to Avoid: Heat in excess of 65c / 150f, and temperatures below 1c / 34f  
 Incompatibility: Oxidizers or Oxidizing Materials.  
 Hazardous Thermal Decompression From Fire, Smoke, Carbon Dioxide Products and Carbon Monoxide.  
 Hazardous Polymerization: Will Not Occur  
 Conditions to Avoid: None

**SECTION VI - HEALTH HAZARDS**

Threshold Limit Value: None Established  
 Effects of Overexposure: None Established  
 Toxicity Information: Non Toxic  
 OSHA Permissible Exposure Limit: None  
 ACGIH Threshold Limit Value: None  
 Other Exposure Limit Used: None Required  
**Carcinogenicity:**  
 N.T.P., Not Established  
 Arc Monographs, Not Established  
 OSHA Regulated: No

**REACTIVITY INFORMATION**

Instability: This material is considered stable. However, avoid temperatures above 177C/350F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature. Hazardous Decomposition products. Thermal decomposition may yield acrylic monomers. Hazardous Polymerization: Product will not undergo polymerization. Incompatibility: There are no known material, which are incompatible with this product.

**HEALTH EFFECTS FROM OVER EXPOSURE**

Primary Routes of Exposure: **Inhalation - Eye Contact - Skin Contact**  
 Inhalation: Inhalation of vapor or mist can cause the following headache – nausea – irritation of nose, throat and lungs  
 Eye Contact: Direct contact with material can cause a slight irritation  
 Skin Contact Prolonged or repeated skin contact can cause a slight skin irritation.

**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:

Human:  
 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 8.6  
 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 Duraseal ZERO 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 **Duraseal ZERO™**

**SECTION VII - EMERGENCY FIRST AID PROCEDURES**

Eye Contact: Wash affected area with fresh water for about 15 minutes, If irritation occurs, call physician.  
 Ingestion: If swallowed, give 2 glasses of fresh water to drink, consult a Physician. Never give anything by mouth to an unconscious person.  
 Skin Contact: Wash affected area with soap and water.  
 Inhalation: Move patient to fresh air.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

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

Respiratory Protection: Approved NIOSH respirator  
 Ventilation: Fresh Air  
 Protective Gloves: Rubber, may be cleaned by washing off with mild soap/water.  
 Eye Protection: Splash goggles, see section VII for skin / ingestion information  
 Other Protective Rinse product out of standard work clothes  
 Clothing or Equipment: with water, alternatively use rubber apron or plastic suit.

**SECTION IX- SPECIAL PRECAUTIONS - SPILL/LEAK PROCEDURES**

Precautions to be taken in Handling: Keep containers tightly capped  
 Precautions to be taken in Storage: Keep at moderate temperature below 110F/44C  
 In Case of Accidental Spillage: Flush spill area with plenty of water.

**WASTE DISPOSAL PROCEDURE**

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids In accordance with local, state, and Federal regulations.

**ADDITIONAL INFORMATION**

**DOT (U.S. Department of Transportation) Class 55 non-hazmat**

**SHIPPING NAME: Duraseal ZERO™**

**MSDS NON-REGULATED**

**Packaging Size:** 5 Gallon Pails, 55 Gallon Drum, 264gallon (1,000 Liter) Totes

The information contained herein relates only to the specific material identified. Enviroseal believes that such information is accurate and reliable as of the date on this **Material Safety Data Sheet**, but no representation, guarantee or warranty, express or implied is made as to the accuracy, reliability or completeness of the information. Enviroseal urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.