

# SAFETY DATA SHEET

DATE PREPARED: June 29, 2015

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ENDUR-O-SEAL USA, INC. encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your conditions would necessitate other appropriate methods.

## SECTION 1 – PRODUCT IDENTIFICATION

### **PRODUCT NAME:**

PRODUCT NAME: HYDROBLOK PRE-SEALER  
PRODUCT IDENTIFIER: DEEP PENETRATING SEALERS

**SDS NUMBER 1**

PRODUCT USE: Concrete sealer, Concrete Product Vapor Barrier, Concrete Block Sealer, Concrete Densifier, Hardener  
Recommended use of the product and restrictions use identified uses: We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

### **MANUFACTURER:**

**EOS Systems**  
Endur-O-Seal USA, Inc.  
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PINEHURST, TEXAS 77362  
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EMERGENCY TELEPHONE NUMBER 281 356 5117

## SECTION 2 – HAZARDS IDENTIFICATION

### **POTENTIAL HEALTH EFFECTS:**

#### **INGESTION:**

Irritation of mucous membranes of throat, esophagus and stomach which may result in vomiting.

#### **SKIN CONTACT:**

Not significant: may cause mild skin irritation. Skin chapping may develop after extreme repeated contact, progressing to Dermatitis if hands are not washed.

#### **INHALATION:**

Mild irritation of the upper respiratory tract possible followed by dizziness, headache.

#### **EYE CONTACT:**

May cause a mild burning sensation/ irritation.

**Medical conditions aggravated as stated above.**

#### **CHRONIC EFFECTS / CARCINOGENICITY:**

This product or one of its ingredients present 0.1% or more is not listed as a carcinogen or suspected carcinogen by OSHA, IARC, NTP or ACGIH.

#### **MEDICAL LIMITATIONS:**

Restrict contact by persons with acne, skin sensitivity or skin disease, as extended exposure could aggravate these conditions.

#### **EFFECTS OF OVEREXPOSURE:**

Acute: central nervous system depression with extreme exposure; effects may include anesthesia, coma, respiratory arrest. Oxygen deprivation is possible if working in a confined non ventilated area.

**CHRONIC:** no known major cumulative or latent effects have been reported.

Products			ACGIH TLV OSHA PEL	Approx.
Hazardous Ingredients -0-	%	CAS/PIN	LD50 (Species/Route)	<b>LC50</b> <b>(Species)</b>
Silicates/ Bonding Catalysts Penetrants/ Gelling agent	34 bl 1-5	1344-09-8 Proprietary Mixture	(rat) 2000-3000 mg/kg	<b>N/A</b>

## SECTION 4 – FIRST AID MEASURES

**INGESTION:** Do not induce vomiting, drink water or milk. If vomiting occurs keep airway clear. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

**SKIN CONTACT:** Wash with soap and water for 15 minutes. Remove contaminated clothes and footwear. Seek medical attention if symptoms arise.

**INHALATION:** Remove to fresh air, restore breathing if needed; administer oxygen; seek medical help if required.

**EYE CONTACT:** Flush eyes thoroughly with large amounts of water for 15 minutes. Hold eyelids open.

## SECTION 5 – FIREFIGHTING MEASURES

Flash Point & Method	N/A		
Conditions of flammability	None		
Hazardous Combustion Products	None		
Minimum Ignition energy	N/A		
Fire Point	N/A		
Autoignition Temperature	N/A		
Flammable Limits In Air % by Volume Upper % by Volume Lower		NA NA	NA NA
Sensitivity To Mechanical Impact	N/A		
Sensitivity To Static Discharge	N/A		

**Extinguishing Media:** Non Combustible. Foam may be used in areas where this product is stored. Water spray or CO2.

**Special Firefighting Procedures:** None

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Confine area to clean-up personnel. Ventilate area and wear protective gear as required, wipe up spill with an inert material and place in an approved container for disposal. Remove sources of ignition. Dispose of expended material and absorbents with all applicable local, state and federal regulations.

**SECTION 7 – HANDLING AND STORAGE**

- Do not mix with incompatible materials.
- Leak/spill procedures: Use absorbent materials or mop and flush with water
- Use a proper group strap on handling and pumping equipment.
- Preferably utilize explosion proof electrical equipment.
- Recommended storage should be above 0 °C (32 °F) and below 43 °C (110 °F.)
- Keep original or storage containers closed when not in use.
- Avoid breathing vapors.
- Avoid contact with skin and eyes.
- Use only in well ventilated areas.
- SHELF LIFE: Use within 1 year

**SECTION 8 – PERSONAL PROTECTION/ EXPOSURE LIMITS**

**RESPIRATORY PROTECTION:** Use in well ventilated area. Use approved NIOSH/MSHA approved respirator if spraying as a standard safety operating practice if TLV is exceeded.

**PROTECTIVE GLOVES:** Rubber

**EYE AND FACE PROTECTION:** Safety Glasses

**ENGINEERING:** Exhaust ventilation, showers, eyewash stations

**SKIN AND BODY CONTACT:** It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing and gloves.

**HYGIENE MEASURES:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE</b>	Liquid
<b>VAPOR PRESSURE (20 °C)</b>	N/A
<b>VAPOR DENSITY (AIR=1)</b>	N/A
<b>MELTING POINT</b>	Unknown
<b>FREEZING POINT</b>	0 °C (32 °F)
<b>APPEARANCE</b>	Colorless/ turbid liquid
<b>ODOR</b>	No odor
<b>EVAPORATION RATE (BuAc =1)</b>	N/A
<b>% VOLATILE BY VOLUME</b>	90%
<b>BOILING POINT</b>	214 F @ 760 mm HG PH 7 / 7.9 cured
<b>V.O.C. CONTENT</b>	<0.165 Lb/Gal
<b>SPECIFIC GRAVITY (WATER = 1)</b>	1.03 – 1.10
<b>SOLUBILITY IN H2O AT 20 °C</b>	Appreciable

**SECTION 10 – STABILITY AND REACTIVITY****STABILITY:** Stable**HAZARDOUS POLYMERIZATION:** Will not occur**HAZARDOUS THERMAL DECOMPOSITION/ COMBUSTION PRODUCTS:** None**INCOMPATIBILITY (MATERIALS TO AVOID):** Gels when mixed with acids.**CONDITIONS TO AVOID:** Keep away from heat, sparks, and L=Flames. Avoid any source of ignition. Avoid contact with acidic, basic, or oxidizing agents and metallic catalysts like tin soaps and noble metals.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Toxicological information on this product or its components appear in this section when such data is available.

**ACUTE ORAL TOXICITY:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. **Irritating to eyes, skin, mucous membranes of the respiratory tract, mouth, throat or esophagus.**

**INHALATION:** No data available

**INGESTION:** No data available

**SKIN CORROSION/IRRITATIONS:** Brief contact is essentially non irritational to skin. Prolonged contact may cause moderate skin irritation. Repeated contact may cause moderate skin irritation.

**SERIOUS EYE DAMAGE/EYE IRRITATION:** Mist may cause eye irritation

**SENSITIZATION:** No data available

**CARCINOGENICITY:** No data available

**MUTAGENICITY:** No data available

**REPRODUCTIVE TOXICITY:** No data available

**EXPOSURE LIMITS:** PEL - 2 mg/m<sup>3</sup> ceiling as NaOH \* TLV - 2 mg/m<sup>3</sup> ceiling as NaOH Na<sub>2</sub>O-SiO<sub>2</sub>

**SECTION 12 – ECOLOGICAL INFORMATION**

Ecotoxicological information on this product or its components appear in this section when such data is available.

**ECOTOXICITY:** No data available

**PERSISTENCE AND DEGRADABILITY:** The product is not biodegradable

**BIOACCUMULATIVE POTENTIAL:** No data available

**MOBILITY:** No data available

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Product is non toxic and non hazardous. This can be disposed of in an appropriate disposal manner in accordance with applicable laws and regulations.

**SECTION 14 – TRANSPORT INFORMATION**

**DOT SHIPPING NAME:** Aqueous Silicate Dispersion- Agent – Sealer- Conditioner

**DOT HAZARD CLASS:** 55

**PLACARDS:** N/A

**DOT I.D. NUMBER:** N/A

**REPORTABLE QUANTITY:** N/A

**RESTRICTIONS:** N/A

**SECTION 15 – REGULATORY INFORMATION**

**TSCA:** This material or its components are listed on the TSCA inventory list and comply with applicable rules as of this writing.

**SARA 302:** None found

**SARA 311 & 312:** None found

**SARA 312:** This material does not contain any ingredients on the list of toxic chemicals subject to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III), in excess of the applicable minimum concentrations as per section 372.38 (a).

**HAZARD RATING SYSTEM:**

NFPA No. 704, 1985 Edition  
HMIS

0 HEALTH  
0 HEALTH

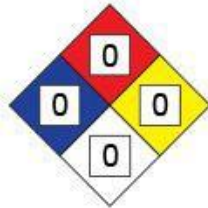
0 FLAMMABILITY  
0 FLAMMABILITY

0 REACTIVITY  
0 REACTIVITY

**SECTION 16 – ADDITIONAL INFORMATION**

**Hazard Ratings**

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal



**NFPA RATINGS (NFPA No. 704, 1985 Edition)**

Health = 0  
Flammability = 0  
Reactivity = 0  
Personal Protection = 0

**HMIS RATINGS**

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>0</b>

This Material Safety Data Sheet has been prepared in accordance with CFR 1910. 1200. All information, recommendations and suggestions appearing herein concerning our product(s) are based upon tests and data believed to be reliable, however, it is the user's sole responsibility to determine the safety, toxicity and suitability for his own use of the products described herein. Since the actual use of these products is by others and beyond our control, no guarantee expressed or implied is made by ENDUR-O-SEAL USA, Inc. As to the effects of such use, including the results to be obtained or the safety and toxicity of the products nor does ENDUR-O-SEAL assume any liability arising out of the use by others of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulation.

- NA = Not Applicable**
- NE = Not Establishable**
- NF = None Found**