

SAFETY DATA SHEET

DATE PREPARED: June 29, 2015

PAGE 1 OF 6

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:

EOS NCS-20 NEGATIVE

SDS NUMBER 1

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:

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CHEMICAL FAMILY: Aqueous Polysiloxane Dispersion – Sealer

These products are aqueous based penetrating compounds for waterproofing of natural and synthetic materials. Refer to product bulletins for specific application data.

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. Shin 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.

SECTION 3 – INGREDIENTS/COMPOSITION

Products CAS Number(s)	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL	Units	Approx. Weight %
Contains one or more of the following silanes/siloxanes:						Mixture 8-12
<i>Aminoethylaminopropylpolysiloxanes</i> 67923-07-3	NF	NE	NE	NF	NA	
<i>Dimethyl, Hexylsiloxanes</i> 157709-77-8	NA	NE	NA	NE	NA	
<i>Silanol/STPD</i> 68554-67-6	NF	NE	NF	NE	NA	
Expansion Agents (Mixture) 68155-38-4 112-90-3	NE	NE	NE	NE	NA	<2
Alcohols 64-17-5 123-17-1						Mixture <5
Crosslinking Agent 29812-79-1	NE	NE	NE	NE	NA	<1
Deionized Water	NE	NE	NE	NE	NA	80-84

SECTION 4 – FIRST AID MEASURES

INGESTION: Do not induce vomiting. 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. 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. Seek medical attention.

NOTES TO PHYSICIAN: Gastric laval only if a large quantity has been ingested. Treat symptomatically.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point	Aqueous Solution	>93.5 °C (MIN)	>200 °F (MIN)
Method	TCC		
Autoignition Temperature		>482 °C	>900 °F
Flammable Limits In Air % by Volume Upper % by Volume Lower		NA NA	NA NA
Sensitivity To Mechanical Impact	No		
Sensitivity To Static Discharge	None expected; material has a flashpoint above 200 °F.		

Extinguishing Media: Foam, Dry Chemical, CO2. Water may be ineffective unless used in favorable conditions by trained firefighters.
Special Firefighting Procedures: Minimize breathing of gases, vapor fumes or decomposition products. Use (SCBA) in enclosed or confined areas. Water can be used to cool and protect materials and men, disperse vapors, flush spills away from exposures.

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.
- 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 38 °C (100 °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: 45 days without catalyst, 15 days with catalyst.

SECTION 8 – PERSONAL PROTECTION/ EXPOSURE LIMITS

RESPIRATORY PROTECTION: Use in well ventilated area. Use approved NIOSH respirator 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

INITIAL BURNING POINT	100 °C (212 °F)
VAPOR PRESSURE (20 °C)	<5
VAPOR DENSITY (AIR=1)	Unknown
MELTING POINT	Unknown
FREEZING POINT	0 °C (32 °F)
APPEARANCE	Grey/White Hazy Liquid
ODOR	Slight Amine/Lemon Odor
EVAPORATION RATE (BuAc =1)	<1
% VOLATILE BY VOLUME	83%
V.O.C. CONTENT BY VOLUME	<2%
V.O.C. CONTENT	<0.165 Lb/Gal
SPECIFIC GRAVITY (WATER = 1)	1.03 – 1.10
SOLUBILITY IN H2O AT 20 °C	Appreciable

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS THERMAL DECOMPOSITION/ COMBUSTION PRODUCTS: Fumes. Smoke. Carbon Monoxide. Aldehydes. Silicon Dioxide. Formaldehyde.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong Oxidants. Concentrated Oxygen. Sodium Hypochlorite. Calcium Hypochlorite.

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.

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

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 Siloxane Dispersion – Sealer

DOT HAZARD CLASS: N/A

PLACARDS: N/A

DOT I.D. NUMBER: N/A

REPORTABLE QUANTITY: N/A

RESTRICTIONS: No air shipments, emits minute quantities of hydrogen gas

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

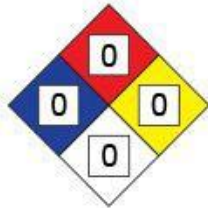
0 REACTIVITY
0 REACTIVITY

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

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	0

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**