

# MATERIAL SAFETY DATA SHEET

## Enviro-Safe™ Engine Block Sealant

### SECTION 1 – IDENTIFICATION

**Company:** Enviro-Safe Refrigerants, Inc.  
400 Margaret  
Pekin IL 61554  
309-346-1110

Product Name: Engine Block Sealant

**CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER  
1-800-424-9300**

### SECTION 2 – INGREDIENTS

<u>Hazardous Ingredients</u>	<u>%</u>	<u>Cas Number</u>
Water	61.0 - 65.0	7732-18-5
Sodium Silicate	35.0 – 39.0	1344-09-8

### SECTION 3 – HAZARDS IDENTIFICATION

**Eye** Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin** May cause mild skin irritation. Symptoms may include redness and burning of skin.

**Swallowing** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

**Inhalation** Breathing of vapor or mist is possible.

**Symptoms of Exposure** Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

**Target Organ Effects** No data.

**Developmental Information** No data.

**Cancer Information** No data.

**Other Health Effects** No data.

**Primary Route(s) of entry** Inhalation, Skin contact.

### SECTION 4 - FIRST AID

**Eyes:** If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention.

**Skin:** Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

**Swallowing:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth, place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Inhalation:** If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

**Note to Physicians:** Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (for example, asthma-like conditions).

## **SECTION 5 – FIRE FIGHTING MEASURES**

Flash Point Not Applicable  
Explosive Limit Not Applicable  
Auto Ignition Temperature No Data.  
Hazardous Products of Combustion No Data.  
Fire and Explosion Hazards No special fire hazards are known to be associated with this product.  
Extinguishing Media No Data.  
Fire Fighting Instructions Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.  
NFPA Rating Health – 2, Flammability – 0, Reactivity – 1.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Small Spill Absorb liquid on vermiculite, floor absorbent or other absorbent material.  
Large Spill Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Spills of this material are very slippery.

## **SECTION 7 – HANDLING STORAGE**

Handling Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye Protection Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.  
Skin Protection Wear resistant gloves such as natural rubber. To prevent skin contact wear impervious clothing and boots.  
Respiratory Protections Not required under normal conditions of use.  
Engineering Controls Not required under normal conditions of use.  
Exposure Guidelines Component.  
WATER (7732-18-5)  
No exposure limits established  
SODIUM SILICATE (1344-09-8)  
No exposure limits established

## **SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

Boiling Point(for product) 212.0 F (100.0C) @ 760 mmHg  
Vapor Pressure (for product) 24.000 mmHg @ 77.00 F  
Specific Vapor Density .670 @ AIR=1  
Specific Gravity 1.390 @ 68.00 F  
Liquid Density 11.600 lbs/gal @ 60.00 F  
1.390 kg/l @ 20.00 C  
Percent Volatiles 60.0 – 65.0  
Evaporation Rate SLOWER THAN ETHYL ETHER  
Appearance No Data.  
State LIQUID  
Physical Form HOMOGENEOUS SOLUTION  
Color SPECIALLY CLARIFIED  
Odor No Data.  
pH 11.3

## **SECTION 10 – STABILITY AND REACTIVITY**

Hazardous Polymerization Product will not undergo hazardous polymerization.  
Hazardous Decomposition No Data.  
Chemical Stability Stable.  
Incompatibility Avoid contact with: alcohols, strong acids.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

No Data.

**SECTION 12 – ECOLOGICAL INFORMATION**

No Data.

**SECTION 13 – DISPOSAL CONSIDERATION**

Waste Management Information      Dispose of in accordance with all applicable local, state and federal regulations.

**SECTION 14 – TRANSPORT INFORMATION**

DOT Information – 49 CFR 172.101

DOT Description:            NON-REGULATED BY D.O.T.

Container/Mode: 16 ounce or ½ gallon container

NOS Component:None

RQ (Reportable Quantity) - 49 CFR 172.101                      Not applicable.

**SECTION 15 – REGULATORY INFORMATION**

US Federal Regulations      TSCA (Toxic Substances Control Act) Status  
   TSCA (UNITED STATES) The intentional ingredients of this product are listed.  
   CERCLA RQ – 40 CFR 302.4 (a)  
   None Listed.  
   SARA 302 Components – 40 CFR 355 Appendix A  
   None  
   Section 311/312 Hazard Class – 40 CFR 370.2  
   Immediate (X)    Delayed ( )    Fire ( )    Reactive ( )    Sudden Release of Pressure ( )  
   SARA 313 Components 9 40 CFR 372.65  
   None

International Regulations  
   Inventory Status  
   Not determined

State and Local Regulations  
   California Proposition 65  
   None

**SECTION 16 – OTHER INFORMATION**

Enviro-Safe Refrigerants, Inc., 400 Margaret, Pekin IL 61554    Telephone: 309-346-1110

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