Masonry Top Seal (MTS) - Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Distributors Name: Heartwood Corporation ®
Address: 2232 E Burnside Ave Portland, Or 97214
Emergency Phone: 888-888-6095
Secondary Emergency Phone: CHECTREC: 800-424-9300
Date Prepared: 12/06/2006
MSDS NO: 0405787
Generic Description: Silicone emulsion
Physical Form: Liquid
Color: White
Odor: Some odor
NFPA Profile: Health 2 Flammability 1 Instability/Reactivity 0
Note: NFPA = National Fire Protection Association

2. OSHA HAZARDOUS COMPONENTS

CAS Number	Wt %	Component Name
216689-57-5	1.9-5.0	Silic acid, diethoxyoctylsilyl trimethylsilyl ester
2943-75-1	1.9-5.0	N-Octyltriethoxysilane
9002-92-0	0.125-0.6	Polyethylene oxide laurly ether
68554-54-1	0.125-0.6	Aminofunctional siloxane

The above components are hazardous as defined in 29 CFR 1910.1200

3. HAZARDS IDENTIFICATION POTENTIAL HEALTH EFFECTS

Acute Effects
Eye: Direct contact may cause modern irritation.
Skin: May cause moderate irritation
Inhalation: Vapor and/or mist may irritate nose and throat. Vapor overexposure may cause drowsiness.
Oral: Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.
Prolonged/ Repeated Exposure Effects
Skin: Repeated or prolongs exposure may irritate seriously. Overexposure may injure internally if absorbed.
Inhalation: Overexposure by inhalation may injure the following organ(s): Liver
Oral: Repeated ingestion or swallowing large amounts may injure internally.
Signs and Symptoms of Overexposure
No known applicable information.
Medical Conditions Aggravated by Exposure
No know application information.

The above listed potential effects of overexposure are based on actual data, results of study performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

4. FIRST AID MEASURES

Eye: Immediately flush with water for 15 minutes. Get medical attention.
Skin: Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.
Inhalation: Remove to fresh air. Get medical attention if ill effects persist.
Oral: Get immediate medical attention.
Comments: Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Flash Point: >212 F/> 100 C (Closed Cup)
Auto ignition Temperature: > 212 F/> 100 C
Flammability Limits in Air: Not determined
Extinguishing Media: On fires use dry chemical, foam or water spray.
Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
Unusual Fire Hazards: None
Hazardous Decomposition Products
Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8.
Note: See section 8 for Personal Protective Equipment for Spills. Call (989)496-5900, if additional information is required.

7. HANDLING AND STORAGE

Use with adequate ventilation. Product evolves flammable ethyl alcohol on exposure to water or humid air. Provide ventilation during use to control ethanol within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Avoid breathing vapor, mist, dust or fumes. Keep container closed. Do not take internally.
Keep container closed and store away from water or moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits

CAS Number	Component Name	Exposure Limits
216689-57-5	Silic acid, diethoxyoctysilyl trimethylsiyl	Observe ethyl alcohol comments. ester
2943-75-1	N-Octyltriethoxysilane	See ethyl alcohol comments.

Ethyl alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL and ACGIH TLV: TWA 1000 ppm.

Engineering controls

Local Ventilation: Recommended
General Ventilation: Recommended

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection-safety glasses as a minimum.
Skin: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.
Suitable Gloves: Viton ®. 4H®. Silver Shield®.
Inhalation: Use re protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.
Suitable Respirator: General and local exhaust ventilation is recommended to maintain vapor exposure below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Personal Protective Equipment for Spills

Eyes: Use full face respirator.
Skin: If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.
Inhalation/ Suitable Respirator: Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators.
Precautionary Measures: Avoid eye contact. Avoid skin contact. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Do not take internally. Use reasonable care.
Comments: Product evolves flammable ethyl alcohol on exposure to water or humid air. Provide ventilation during use to control ethanol within exposure guidelines or use respiratory protection.
Note: These precautions are for room temperature handling. Use temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance documents regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com) contact the Dow Corning customer service group.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Color: White
Odor: Some Odor
Specific Gravity @25 C: 1
Viscosity: 50 mPa s
Freezing/Melting Point:100 C
Vapor Pressure @ 25 C: Not determined.
Vapor Density: Not determined.
Solubility in Water: Not determined.
pH: Not determined.
VOCs: 12 grams/litre.
Note: The above info is not intended for use in preparing product specs. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Hazardous Polymerization: None
Materials to Avoid: Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8.

11. TOXICOLOGICAL INFORMATION

Component Toxicology Information

Direct eye contact with a 1% solution of Polyethylene Oxide Lauryl Ether produced temporary local eye anesthesia in rabbits.
Prolongs overexposure to Ethanol has caused human birth defects.

Special Hazard Information on Components

No known applicable information.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effect in Waste Water Treatment Plans

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <100	>100
Acute Terrestrial Toxicity	<=100	>100 and <+2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.
This table can be used to classify the ecotoxicity of this product when ecotoxicity data listed above. Please read the information presented in the section concerning the overall ecological safety of this material.

13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as hazardous waste? No
State or local laws may impose additional regulatory requirements regarding disposal.
Call (989) 496-6315, if additional information is required.

14. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

Section 304 CERCLA Hazardous Substances (40 CFR 302):

CAS Number Wt% Component Name

1330-20-7 0.05 Xylene

Section 311/312 Hazard Class (40 CFR 370):

Acute: Yes
Chronic: Yes
Fire: No
Pressure: No
Reactive: No

16. OTHER INFORMATION

Prepared by: Heartwood Corporation

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

® indicates Registered Trademark