

Date of preparation: 09/29/05

**SECTION I**

Manufacturer	: W. R. MEADOWS, INC.	<b>- H M I S -</b>
Address	: 300 Industrial Drive : Hampshire, IL 60140	<b> Health</b> : 2
		<b> Flammability</b> : 1
		<b> Reactivity</b> : 0
Telephone #	: (847) 683-4500	<b> Personal Protection</b> :
Emergency #	: 1-800-424-9300 Chemtrec	

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

Product Class : DIVISION 3  
Mfg. code I.D. : 3325000  
Trade Name : LIQUI-HARD CONCRETE DENSIFIER AND CHEMICAL HARDENER

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Silicic Acid Sodium Salt	1344-09-8	20-25	NO	N/A	N/A

None of the components of this product are recognized as carcinogenic. N/A = Not Applicable

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313".

**SECTION II-B OCCUPATIONAL EXPOSURE LIMITS**

No.	PEL/TWA	OSHA			ACGIH			SKIN
		PEL/CEILING	PEL/STEL	SKIN	TLV/TWA	TLV/CEILING	TLV/STEL	
1.	2 mg/m³	N/E	N/E	N/E	2 mg/m³	N/E	N/E	N/E

N/E = Not Established

**SECTION III PHYSICAL DATA**

<b>Boiling Point</b>	: 212 degrees F	<b>% Volatile by volume</b>	: Not Established
<b>Evaporation Rate</b>	: <1 (ether = 1)	<b>% Volatile by weight</b>	: 75-80 (Theoretical)
<b>Vapor Density</b>	: > 1 (air = 1)	<b>Weight per gallon</b>	: 10.0 (Theoretical)
<b>pH Level</b>	: 11.90	<b>Product Appearance</b>	: Clear liquid, no odor

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Based on the presence of component 1 this product may cause severe irritation and corneal injury resulting in permanent vision impairment, even blindness.

**SKIN CONTACT:** Based on the presence of component 1 this product is presumed to be moderately irritating to the skin. Prolonged contact may cause damage to the skin.

**INHALATION:** Based on the presence of component 1 exposure to mist or spray may cause coughing, sneezing, or other symptoms of upper respiratory tract irritation. Overexposure may result in lung tissue damage due to corrosive effects.

**INGESTION:** May cause irritation of the gastrointestinal tract and severe irritation with possible tissue damage to mucous membranes of the mouth, throat, esophagus, and stomach.

**SIGNS AND SYMPTOMS:** This is a corrosive material. Symptoms will vary from mild irritation to severe burning based on the concentration of the material and the duration of the exposure.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** None recognized.

**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** Immediately flush eyes with copious amounts of water for at least fifteen (15) minutes while holding eyelids open. Seek prompt medical attention.

**SKIN CONTACT:** Immediately remove contaminated shoes and clothing. Wipe excess from skin and flush with water for at least fifteen (15) minutes using soap if available. Seek prompt medical attention. Do not reuse clothing until thoroughly decontaminated.

**INHALATION:** If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital, or poison control center and/or transport to an emergency facility immediately.

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**SECTION VI FIRE AND EXPLOSION HAZARDS**

**FLAMMABILITY CLASSIFICATION** - NFPA: Not regulated.  
- DOT: Not regulated.

**FLASH POINT:** Greater than 210 degrees F (PMCC)

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or Carbon Dioxide

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None recognized.

**SECTION VII REACTIVITY**

**STABILITY:** Stable **HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS AND MATERIALS TO AVOID:** None recognized.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**SECTION VIII EMPLOYEE PROTECTION**

**RESPIRATORY PROTECTION:** None required under normal conditions of use.

**PROTECTIVE CLOTHING:** Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

**ADDITIONAL PROTECTIVE MEASURES:** Eye wash fountains and safety showers should be available for use in an emergency.

**SECTION IX ENVIRONMENTAL PROTECTION**

**SPILL OR LEAK PROCEDURES:** LARGE SPILLS>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

**WASTE DISPOSAL:** Observe all Federal, State and local regulations regarding proper disposal.

**SECTION X ADDITIONAL PRECAUTIONS**

Containers can contain product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.