

### \*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to implement the "Workplace Hazardous Materials Information System (WHMIS)". Also make this information available to any employee who requests it.

Date of preparation: 03/30/11

3325-000

## SECTION I PRODUCT IDENTIFICATION AND USE

Manufacturer : **W. R. MEADOWS® OF CANADA**

- H M I S -

Address : 70 Hannant Court  
: Milton, ON L9T 5C1

|Health : 1

|Fire : 0

|Reactivity : 0

|Person Protection : |

Telephone # : (905) 878-4122

Emergency # : 1-800-424-9300 Chemtrec

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

Product Class : D2B-Skin Irritation

Product Identification Number: 3325-000

Product Identifier : LIQUI-HARD®

Product Use : Concrete Hardener

## SECTION II HAZARDOUS INGREDIENTS

No. Hazardous Ingredient(s)*	CAS#	% By		ACGIH				
		Weight	LD50	LC50 TLV/TWA	TLV/Ceiling	TLV/STEL	SKIN	
1. Silicic Acid, Sodium Salt	1344-09-8	15-20	2500 mg/kg	N/E	2 mg/m3	N/E	N/E	N/E

\* A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency. None of the components of this product are recognized as carcinogenic.

Component data is defined in accordance with Sub-paragraph 13 (a) (i) to (iv) of the Hazardous Product Act.

N/E = Not established \* = Fumes \*\* = Total Dust

## SECTION III PHYSICAL DATA

Physical State	: Liquid	Vapour Density	: Equal to Water
Specific Gravity	: 1.19	Evaporation Rate	: Equal to Water
Odour/Appearance	: Clear Liquid, No Odor	Percent Volatile	: 80 (By Weight)
Vapour Pressure	: Not Applicable	Freezing Point	: Not Established
pH	: 11.9	Boiling Point	: 100 Degrees Celsius
Odour Threshold	: Not Applicable		

Coefficient of water/oil distribution: Completely Miscible in Water

## SECTION IV FIRE AND EXPLOSION DATA

Conditions of Flammability: None Recognized

Autoignition temperature: Not Applicable

Means of extinction: Not Applicable

Sensitivity to mechanical impact: No

Flash point and method: This Product will not Flash

Sensitivity to static discharge: No

Flammability limits: LEL: N/A UEL: N/A

Hazardous combustion products: None Known

## SECTION V REACTIVITY DATA

Chemical stability Stable

If no, under which conditions:

Incompatibility (materials to avoid): Strong Acids

Conditions of reactivity: None Known

Hazardous decomposition products: None Known

Date of preparation: 03/30/11

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

Date of preparation: 03/30/11

---

---

## SECTION VI TOXICOLOGICAL PROPERTIES

---

**Route(s) of entry:** Skin Contact

**Effect(s) of acute exposure to product:**

**EYE CONTACT:** Based on the presence of Component 1 this product may cause mild to moderate irritation. Prolonged (direct) contact may result in corneal injury.

**SKIN CONTACT:** Direct contact may result in mild to moderate irritation. Prolonged contact may cause skin damage.

**INHALATION:** Exposure to mists/sprays may result in mild to moderate irritation of the respiratory tract. Overexposure may result in lung tissue damage due to corrosive effects.

**INGESTION:** May result in 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:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

**AGGRAVATED MEDICAL CONDITIONS:** None Recognized

**OTHER HEALTH EFFECTS:** None Recognized

**Exposure limits:** See Section II

**Effect(s) of chronic exposure to product:**

Carcinogenicity: No

Reproductive toxicity: No

Teratogenicity: No

Mutagenicity No

Synergistic Properties: None Recognized

---

---

## SECTION VII PREVENTIVE MEASURES

---

**Personal protective equipment:** Utilize safety glasses, goggles, or a face shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent direct contact with the skin. Respiratory protection is not normally required.

**Engineering controls:** Not required under normal use conditions.

**Leak and spill procedures:** Evacuate hazard area of non-essential personnel. Utilize appropriate personal protective equipment. Remove spill source if safe to do so. Dike/contain and contain any run-off. Recover free product and place in non-leaking marked containers for disposal. Soak up residues with appropriate absorbent and containerize as above. Flush area with water to remove residuals. Handle/containerize residue as free product.

**Waste disposal:** Observe all Provincial, Federal, State, and local regulations regarding proper classification and disposal.

**Handling procedures/equipment:** Avoid direct contact. Handle as a corrosive material.

**Storage requirements:** Prevent product from freezing. Keep containers closed when not in use.

**Special shipping information:** None

---

---

## SECTION VIII FIRST AID MEASURES

---

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

**SKIN CONTACT:** Remove contaminated clothing. Flush thoroughly with water for fifteen (15) minutes. Seek prompt medical attention. Do not reuse contaminated clothing until properly laundered.

**INHALATION:** This is not normally an exposure pathway. If mists/ sprays are inhaled treat victims symptoms. If symptoms persist seek medical attention.

**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy. If vomiting occurs keep the victim's head below the hips to prevent lung aspiration. Seek immediate medical attention.

---

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.

---

---

---

## SECTION IX PREPARATION OF MSDS

---

Prepared by: David Carey

Phone number: (847) 683-4500

Preparation date: 03/30/11

Product Identification Number: 3325-000