



# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product:** LIQUI-HARD® **Part Number:** 3325-000  
**Manufacturer:** W. R. Meadows® of Canada **Address:** 70 Hannant Court  
 Milton, Ontario Canada L9T 5C1  
**Telephone:** (905) 878-4122 **In case of emergency, dial (800) 424-9300 (CHEMTREC)**  
**Revision Date:** 8/21/2015  
**Product Use:** Concrete Hardener/Densifier

## SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	HAZARD STATEMENTS
Health   2	WARNING!
Flammability   0	Causes skin irritation.
Reactivity   0	Causes serious eye irritation.
Personal Protection	May cause respiratory irritation.
	<b>PRECAUTIONARY STATEMENTS</b>
	Avoid direct contact.
	Avoid breathing mists/sprays.



## SECTION 3: HAZARDS COMPONENTS

Chemical Name:	CAS Number	% by Weight	SARA 313	Vapor Pressure (mm Hg@20° C)	LEL (@25°C)
1. Sodium Silicate	1344-09-8	20-25	No	< 1	N/A

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313." *N/A: Not Applicable*

## SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** Immediately flush eyes with water for fifteen (15) minutes. Seek prompt medical attention.  
**SKIN CONTACT:** Wash affected areas with mild soap and water. Remove contaminated shoes/clothing. Seek prompt medical attention.  
**INHALATION:** Not expected to be an exposure route as supplied. If respiratory symptoms develop, seek medical attention.  
**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy. Do not induce vomiting. If vomiting spontaneously occurs, prevent lung aspiration. Seek immediate medical attention.  
**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC:** See Section II for Symptoms/Effects.

## SECTION 5: FIRE AND EXPLOSIVES HAZARDS

**FLASHPOINT:** Product will not flash due to water content.  
**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical.  
**CHEMICAL/COMBUSTION HAZARDS:** None recognized.  
**PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT:** Use appropriate personal protective equipment.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Avoid direct contact. Dike and contain spilled material. Remove source of spill if safe to do so. Apply absorbent and place clean-up material in sealed/marked containers for proper disposal.

## SECTION 7: HANDLING AND STORAGE

**SAFE HANDLING PROCEDURES:** Avoid direct contact.  
**SAFE STORAGE:** Prevent product from freezing.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:	OSHA				ACGIH			
	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN
1. Sodium Silicate	2 mg/m <sup>3</sup>	N/E	N/E	No	2 mg/m <sup>3</sup>	N/E	N/E	N/E

*N/E: Not Established*

**ENGINEERING CONTROLS:** None required under normal use conditions.  
**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses, chemical-resistant gloves.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> 100 degrees C	<b>VAPOR DENSITY:</b> N/A	<b>% VOLATILE BY VOLUME:</b> N/E
<b>EVAPORATION RATE:</b> <1 (Ether=1)	<b>pH LEVEL:</b> 11.90	<b>% VOLATILE BY WEIGHT:</b> 79 (Approximate)
<b>WEIGHT PER GALLON:</b> 10.0	<b>PRODUCT APPEARANCE:</b> Clear Liquid	<b>VOC CONTENT:</b> 0 g/L
<b>ODOR:</b> None	<b>ODOR THRESHOLD:</b> N/D	<b>MELTING/FREEZING POINT:</b> N/D

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**Section 9 continued**

FLASH POINT: See Section 5

FLAMMABILITY: N/D

UEL/LEL: N/D

VAPOR PRESSURE: N/D

RELATIVE DENSITY: N/D

SOLUBILITY: N/D

PARTITION COEFFICIENT: N/D

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

N/D: Not Determined

## SECTION 10: STABILITY/REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS AND MATERIALS TO AVOID: Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: None recognized.

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYE CONTACT:** Direct contact may cause moderate to severe irritation. This product may cause corneal injury resulting in permanent vision impairment/blindness.

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

**INHALATION:** Not anticipated to be an exposure route. Inhalation of mists may cause moderate to severe respiratory tract irritation.

**INGESTION:** Not anticipated to be an exposure route. May cause severe irritation of the gastrointestinal tract if ingested.

**SIGNS AND SYMPTOMS:** This product will cause moderate to severe irritation if direct contact occurs. Symptoms will vary from mild irritation to severe burning based on product concentration and duration of 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 12: ECOLOGICAL INFORMATION

ECOTOXICITY: *Expected to have*

DEGRADABILITY: N/E

BIOACCUMULATIVE POTENTIAL: N/E

*adverse impact on aquatic life based on product pH.*

SOIL MOBILITY: N/E

OTHER ADVERSE EFFECTS: None Recognized

## SECTION 13: WASTE DISPOSAL INFORMATION

WASTE DISPOSAL INFORMATION: Consult local, state, and federal regulations for disposal information.

## SECTION 14: TRANSPORTATION INFORMATION

HAZARDOUS/NON-HAZARDOUS MATERIAL: Not regulated by DOT.

UN NUMBER: None.

HAZARD CLASS: N/A

PACKING GROUP: N/A

UN PROPER SHIPPING NAME: N/A

ENVIRONMENTAL HAZARDS: None recognized.

BULK TRANSPORTATION INFORMATION: None.

SPECIAL PRECAUTIONS: Prevent product from freezing.

## SECTION 15: REGULATORY INFORMATION

OTHER REGULATORY CONSIDERATIONS: None recognized.

## SECTION 16: OTHER INFORMATION

PREPARATION DATE: 8/21/2015

PREPARED BY: Dave Carey

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*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 this product described herein.*

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