



SAFETY DATA SHEET

Page 1 of 3

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION					
Product:	LIQUI-HARD®		Part Number: 3325000		
Manufacturer:	W. R. MEADOWS, INC.		Address: 300 Industrial Drive Hampshire, Illinois 60140		
Telephone:	(847) 214-2100		In case of emergency, dial (800) 424-9300 (CHEMTREC)		
Revision Date:	1/3/2023				
Product Use:	Concrete Hardener/Densifier				
SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS					
HMIS		HAZARD STATEMENTS			
Health	2	WARNING!			
Flammability	0	Causes skin irritation. (Category 2)			
Reactivity	0	Causes serious eye irritation. (Category 2A)			
Personal Protection		Harmful if swallowed. (Category 4)			
		May be harmful if swallowed and enters airway. (Category 2)			
		PRECAUTIONARY STATEMENTS			
		Avoid direct contact.			
		Avoid breathing mists/sprays.			
SECTION 3: HAZARDOUS 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
N/A: Not Applicable					
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."					
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 Eleven 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.					

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Date of Preparation: 1/3/23		Page 2 of 3		3325000																																			
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION																																							
<table border="0"> <thead> <tr> <th></th> <th colspan="3">OSHA</th> <th colspan="3">ACGIH</th> </tr> <tr> <th>Chemical Name:</th> <th>PEL</th> <th>PEL/CEILING</th> <th>PEL/STEL</th> <th>SKIN</th> <th>TWA</th> <th>TLV/CEILING</th> <th>TLV/STEL</th> <th>SKIN</th> </tr> </thead> <tbody> <tr> <td>1. Sodium Silicate</td> <td>2 mg/m³</td> <td>N/E</td> <td>N/E</td> <td>No</td> <td>2 mg/m³</td> <td>N/E</td> <td>N/E</td> <td>N/E</td> </tr> <tr> <td colspan="6"></td> <td colspan="3">N/E: Not Established</td> </tr> </tbody> </table>							OSHA			ACGIH			Chemical Name:	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN	1. Sodium Silicate	2 mg/m ³	N/E	N/E	No	2 mg/m ³	N/E	N/E	N/E							N/E: Not Established		
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ENGINEERING CONTROLS: None required under normal use conditions.																																							
PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, chemical-resistant gloves.																																							
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES																																							
BOILING POINT: 212 °F		VAPOR DENSITY: N/A		% VOLATILE BY VOLUME: N/E																																			
EVAPORATION RATE: <1 (Ether=1)		pH LEVEL: 11.90		% VOLATILE BY WEIGHT: 79 (Approximate)																																			
WEIGHT PER GALLON: 10.0		PRODUCT APPEARANCE: Clear Liquid		VOC CONTENT: 0 g/L																																			
ODOR: None		ODOR THRESHOLD: N/D		MELTING/FREEZING POINT: N/D																																			
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/A: Not Applicable		N/D: Not Determined																																			
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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 adverse impact on aquatic life based on product pH.		DEGRADABILITY: N/E		BIOACCUMULATIVE POTENTIAL: N/E																																			
SOIL MOBILITY: N/E		OTHER ADVERSE EFFECTS: None Recognized		N/E: Not Established																																			
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.																																							
N/A: Not Applicable																																							

SAFETY DATA SHEET

Date of Preparation: 1/3/23	Page 3 of 3	3325000
SECTION 15: REGULATORY INFORMATION		
OTHER REGULATORY CONSIDERATIONS: None recognized.		
SECTION 16: OTHER INFORMATION		
PREPARATION DATE:	1/3/2023	
PREPARED BY:	Dave Carey	

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.