

SECTION 1 IDENTIFICATION	
Product Number	192-6473
Product Name	Sodium Silicate Solution
Trade /Chemical Synonyms	
Formula	
RTECS	NONE
C.A.S. #	CAS# 1344-09-8
Health:	2
Flammability:	0
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

SECTION 7 HANDLING AND STORAGE

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Respiratory Protection:	NIOSH/MSHA-approved respirator
Ventilation:	Local Exhaust <input type="checkbox"/> Mechanical <input checked="" type="checkbox"/>
Protective Gloves:	Gloves to prevent skin exposure as rubber or vinyl
Eye Protection:	Splash Goggles
Other Protective Equipment:	Wear appropriate clothing to prevent skin exposure

SECTION 2 MIXTURE COMPONENTS					
Sara 313	Component	CAS Numbe	%	Dim.	Exposure Limits
<input type="checkbox"/>	Sodium Silicate, Meta	CAS# 6834-92-0	~36%	W/V	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)
May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SECTION 4 FIRST AID MEASURES
FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention. EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES
Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: Emits toxic fumes under fire conditions.
Fire Fighting Procedure:
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
Melting Point:	n/a
Boiling Point:	n/a
Vapor Pressure:	n/a
Vapor Density:	n/a
Solubility in Water:	Soluble
Appearance /Odors:	viscous liquid colorless to hazy/ odorless
Flash Point:	n/a
Specific Gravity:	1.3 - 1.5
Percent Volatile by Volume:	~60%
Evaporation Rate:	n/a
Evaporation Standard:	
Auto Ignition Temp:	Not applicable
Lower Flamm. Limit in Air:	Not applicable
Upper Flamm. Limit in Air:	Not applicable

SECTION 10 STABILITY AND REACTIVITY INFORMATION	
Stability:	Stable
Conditions to Avoid:	Contact with metals as mg. Al, Sn, Pb, Zn
Materials to Avoid:	Metals, acids
Hazardous Decomposition Products:	Hydrogen gas on contact with metals.
Hazardous polymerization	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 ADDITIONAL INFORMATION	
Sodium Silicate is similar in nature to sodium hydroxide. Contact may cause severe irritation and burns. Inhalation of mists May result in severe irritation to respiratory tract and mucous membranes. Chronic effects to long term exposure have not been determined.	
DOT Classification:	Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

Rev. No: 0 Date Entered: 8/1/2005 Approved: RMC Safety Dir. RMC