SAFETY DATA SHEET

Humco Holding Group, Inc.
7400 Alumax Dr
Texarkana TX 75501 USA
800-662-3435
cs@humco.com
www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300
International – 703-527-3887

All non-emergency calls should be directed to Customer Service at 800-662-3435

NAME: SODIUM SILICATE SOLUTION SDS NO. 2727

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sodium Silicate Solution
Synonyms: Water Glass, Soluble Glass, Silicate of Soda
Recommended Use: Sealing concrete floors, water proofing, carton sealing, and gasket cement.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Corrosive Liquid
Signal Word:	Danger
Hazard Statements:	Corrosive to metals, Corrosive to skin, Serious eye damage, Respiratory damage.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
SODIUM SILICATE	1344-09-8
WATER	7732-18-5

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Inhalation can cause severe irritation of mucous membranes and upper respiratory tract.	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Causes irritation to the gastrointestinal tract.	If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin	Causes severe irritation.	Immediately flush with plenty of water for a t least 15 minutes. Remove contaminated clothes and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eyes	Severe irritation with effects similar to those of dilute caustics.	Immediately flush eyes with plenty of water for a t least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash Point:	Not Flammable
Auto Ignition:	Not Explosive
Extinguishing Media:	Use any means suitable for extinguishing surrounding fire.
Products of Combustion:	Not Determined
Fire Fighting Equipment and Procedures:	Not considered to be a fire hazard. Use any means suitable for surrounding fire. Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	A strong alkaline irritant. Floor and other surfaces may be slippery.
Environmental Precautions:	Do not use combustible materials such as sawdust to contain material.
Method of Containment:	Contain and recover liquid when possible.
Method for Clean-Up:	Collect liquid in an appropriate container or absorb with an inert material and place in a chemical waste container.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Avoid Inhalation of vapor or mist.
Storage:	Keep container tightly closed in a dry well ventilated place. Containers which are open must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Not required under normal conditions of use.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.
Skin Protection:	Wear resistant gloves such as: Natural rubber, to prevent skin contact, wear impervious clothing and boots.
Respiratory Protection	Not required under normal conditions of use.
General Hygiene Considerations:	Always follow good hygienic practices. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to cloudy viscous liquid.	**Upper/Lower Flammability:**	Not Determined
Odor:	Odorless	**Vapor Pressure**	18 @ 20° C
Odor Threshold:	Not Determined	**Vapor Density:**	Not Determined
pH:	11 – 12.5	**Relative Density:**	1.39 g/cm3 @ 25° C
Melting point /Freezing Point:	Not Determined	**Solubilities:**	Complete in water
Boiling point/range:	102° C	**Partition coefficient: n-octanol/water:**	Not Determined
Flash point	Not Determined	**Auto-ignition temperature**	Not Determined
Evaporation rate	Not Determined	**Decomposition Temperature:**	Not Determined
Flammability:	Not Determined	**Viscosity**	Not Determined

10. STABILITY AND REACTIVITY

Reactivity:	Not Determined
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous reactions:	Not Determined
Conditions to Avoid:	Incompatibles
Incompatible materials:	Fluorine, mineral acids, organic acids, organic materials, May produce hydrogen gas on prolonged contact with metals. Gels when mixed with acids. Solution is a strong base; reacts with acids, organic anhydrides, alkaline oxides, epichlorohydrin, aldehydes, alcohols, glycols, phenols, cresols, caprolactam solution. Attacks chemically active metals.
Hazardous Decomposition Products:	Not Determined

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not Determined
Skin irritation:	Not Determined
Eye contact damage:	Not Determined
Respiratory damage:	Not Determined
Ingestion overdose:	Not Determined
Delayed, immediate, or chronic effects from short- and long-term exposure	Not Determined
LD50	Not Determined
Symptoms associated with exposure:	Not Determined
Carcinogenicity:	
OSHA:	Not Determined
NTP:	Not Determined
IARC:	Not Determined

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Not Determined
Chemical degradation:	Not Determined
Biodegradation:	Not Determined
Bioaccumulation potential	Not Determined
Adsorption studies or leaching studies:	Not Determined
Other adverse effects	Not Determined

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	8
UN number:	UN3266
UN proper shipping name:	Corrosive liquid, basic, inorganic, N.O.S. (Disodium metasilicate)
Transport hazard class(es):	Not Determined
Packing group number:	III
Environmental hazards:	Not Determined
Special precautions:	Not Determined

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

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