

Humco Holding Group, Inc.
7400 Alumax Drive
Texarkana, TX 75501
800-662-3435

Item#0395-2727
Sodium Silicate

DATE ISSUED: 04/10/07

SECTION 1 PRODUCT IDENTIFICATION

Product Name: Sodium Silicate

Hazard Rating Systems

Key 4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = None

Health 2
Flammability 0
Reactivity 1

Emergency Telephone Number:

800-662-3435 Humco Holding Group, Inc.
800-424-9300 Chemtrec

SECTION 2 HAZARDOUS INGREDIENTS & EXPOSURE LIMITS

<u>Ingredients</u>	<u>Cas No.</u>	<u>% by wt.</u>
Water	7732-18-5	61-65
Sodium Silicate	1344-09-8	35-39

SECTION 3 HAZARDS IDENTIFICATION

Inhalation: Breathing of vapor or mist is possible.

Ingestion: Give large quantities of water to dilute. If large amounts were swallowed, get medical advice.

Skin Contact: May cause mild skin irritation. Symptoms may include redness and burning of skin.

Eye Contact: Can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of eyes.

Symptoms of Exposure: Symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

Target Organ Effects: No data

Developmental Information: No data

Cancer Information: No data

Other Health Effects: No data

SECTION 4

FIRST AID MEASURES

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Skin Contact: Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Eye Contact: If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention.

Note to Physician: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Lung (for example , asthma-like conditions)

SECTION 5

FIRE FIGHTING MEASURES

Flash Point: N/A

Autoignition Temperature: No data

Explosive Limits: N/A

Hazardous Products of Combustion: No data

Extinguishing Media: No data

Firefighting Procedures: Wear a self – contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

Fire & Explosion Hazards: No special fire hazards are known to be associated with this product.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb liquid on vermiculite, floor absorbent or other absorbent materials.

Large Spill: Persons not wearing protective equipment should be excluded from are of spill until clean-up has been completed. Stop spills at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Spills of this material are very slippery.

SECTION 7
HANDLING & STORAGE

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and /or solid), all hazard precautions given in the data sheet must be observed.

SECTION 8
EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye 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.

Engineering Controls: Not required under normal conditions of use.

<u>Component</u>	<u>Exposure Guidelines</u>		<u>Exposure Limits</u>
	<u>CAS No.</u>		
Water	7732-18-5		None Established
Sodium Silicate	1344-09-8		None Established

SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Specific Gravity: 1.390 @ 68°F

pH: N/A

% Volatiles: 60-65 %

Boiling Point: >212°F (100°C) @ 760 mm Hg

Liquid Density: 11.6lbs/gal @ 60°F
1.390 kg/1 @ 20°C

Vapor Density (Air=1): .670

Evaporation Rate: Slower than ethyl ether

Vapor Pressure: 24.0 mm Hg @ 77°F

pH: 11.3

Appearance: Homogeneous solution

Odor: No data

Color: Specially Clarified

Sodium Silicate

SECTION 10 STABILITY & REACTIVITY

Stability: Stable**Hazardous Decomposition Products:** No data**Hazardous Polymerization:** Will not occur**Incompatibility:** Avoid contact with : Alcohols & Strong acids

SECTION 11 TOXICOLOGICAL INFORMATION

No data

SECTION 12 ECOLOGICAL INFORMATION

No data

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with all applicable local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA & ADDITIONAL INFORMATION

D.O.T Information 49 CFR 172.101**DOT Description:** Non-regulated by DOT**NOS Component:** None**Container Mode:** 55 gal drum/truck package**RQ (Reportable quantity):** NA

SECTION 15 REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): TSCA (United States) The intentional ingredients of this product are listed.**CERCLA RQ- 40 CFR 302.4 (a);** None listed**SARA 302 Components – 40 CFR 355 Appendix A:** None

SODIUM SILICATE**Section 311/312 Hazard Class- 40 CFR 370.2:** Immediate**SARA 313 Components-** 40 CFR 372.65**International Regulations Inventory Status:** Not Determined**State & Local Regulations- California Proposition 65:** None**Revised Date:** 10/08/07
