

MATERIAL SAFETY DATA SHEET (MSDS)

SODIUM SILICATE LIQUID

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product: Sodium Silicate Liquid

Trade Name: Sodium Silicate Water Glass, Sodium Silicate Liquid, Sodium Silicate Solution

Product Use: Soap & Detergents, Cosmetics, Adhesive, Water treatment, Foundries, Ceramic, construction, Packaging Industries, Mining and General, Cleaning Industries, Paint

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Color: Colorless to Light Yellow

Physical state: Liquid

Appearance: Clear Liquid

Odor: Odorless to slight odor

Health Hazard: Harmful if swallowed.

Physical Hazards:

No physical hazard by touching.

May cause irritation to eyes.

Precautionary statement:

Do not get in eyes.

Wear eye protection.

IF ON SKIN (or hair): Remove/Take off all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

INGESTION: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse Mouth. Do Not induce vomiting.

Other hazards: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Percentage	CAS Number
Sodium Silicate	40%	1344-09-8
Water	60%	7732-18-5

4. FIRST AID MEASURES

SKIN CONTACT: Flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes. Wash contaminated areas with water. Thoroughly clean and dry contaminated clothing and shoes before reuse.

EYE CONTACT: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION.

INGESTION: Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

Flammable Properties: Fire Fighting: Move container from fire area if it can be done without risk.

6. ACCIDENTAL RELEASE MEASURES

Precautions: NA

Spill or Leak Procedures: Can be sponged up and flushed with water.

7. HANDLING AND STORAGE

Storage Conditions: Store and handle in accordance with all current regulations and standards.

Handling Procedures: Do not get in eyes, on skin, or on clothing. Wash thoroughly with water after handling if gets contacted.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls: NA

Personal Protective Equipment:

Eye Protection: Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant safety goggles.

Skin and Body Protection: Wear protective clothing to minimize skin contact.

Hand Protection: Wear appropriate chemical resistant gloves if required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Almost Clear Liquid

Color: colorless/transparent to light yellow

Odor: Odorless to slight Odour

Vapor Pressure: Not applicable

Specific Gravity: 1.5

PH: 12.5% +

Water Solubility: Complete

Melting Point: NA

Boiling Point: 100°C

10. STABILITY AND REACTIVITY

Stable at normal temperatures and pressures.

11. TOXICOLOGICAL INFORMATION

Skin: No hazard

Eyes: May cause irritation

Inhalation: NA

Ingestion: Can Cause Gastrointestinal pain, Nausea, Vomiting and Diarrhea.

Chronic Exposure: No Human Data Reported.

12. ECOLOGICAL INFORMATION

Overview: Keep out of waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT

UN-No: NA

Proper Shipping Name: NA

Hazard Class: NA

Packing Group: NA

TDG

UN-No: NA

Proper Shipping Name: NA

Hazard Class: NA

Packing Group: NA

IATA

UN-No: NA

Proper Shipping Name: NA

Hazard Class: NA

Packing Group: NA

IMDG/IMO

UN-No: NA

Proper Shipping Name: NA

Hazard Class: NA

Packing Group: NA

15. REGULATORY INFORMATION

TSCA: All ingredients of this material are listed on the TSCA inventory.

16. OTHER INFORMATION

The Information on This Safety Data Sheet Is Believed to Be Accurate and It Is the Best Information Available.

No Liability Resulting from The Use or Handling of The Product to Which This Safety Data Sheet Relates. Users and Handlers of This Product Should Make Their Own Investigations to Determine the Suitability of The Information Provided Herein for Their Own Purposes.