

MATERIAL SAFETY DATA SHEET (MSDS)

SODIUM SILICATE GLASS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product: Sodium Silicate Glass (Lump/Cullet)

Trade Name: Sodium Silicate Glass, Sodium Silicate Solid, Sodium Silicate Cullet, Sodium Silicate Cullet, Sodium Silicate Lumps & Sodium Silicate

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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Color: Colorless to Light blue

Physical state: Solid

Appearance: Glass

Odor: Odorless

Health Hazard: Harmful if swallowed.

Physical Hazards:

Sharp corners of slippery glass may cut skin or body parts. No other physical hazard.

Precautionary statement:

Do not get in eyes, use hand protection as sharp corners of glass may cut skin.

Wear eye and face 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. Make sure no particle of glass stays in eye.

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	99.5%	1344-09-8
Moisture	0.05%	7732-18-5

CHEMICAL COMPOSITION: Non-dusting homogeneous formulation of Soda Ash with Silica Sand.

4. FIRST AID MEASURES

SKIN CONTACT: 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. Make sure no small particle stays inside eye. GET MEDICAL ATTENTION IF NECESSARY.

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: Not Flammable

Flash Point: None

Instructions to Fire-Fighters: As In any fire wear self-contained breathing apparatus pressure-demand, MSHA / NIOSH (Approved or Equivalent) And Full Protective Gear.

Hazardous Combustion Products: None

6. ACCIDENTAL RELEASE MEASURES:

ENVIRONMENTAL PROTECTION

Do not allow to enter sewerage system.

PERSONAL PRECAUTIONS

Wear appropriate personal protective equipment as Chemical goggles, protective clothing, gloves, boots.

METHODS FOR CLEANING UP

Pick up with protective gloves or shovel as sharp corners of glass may cut skin and transfer goods to another container/bag.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid skin and eye contact.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a cool, dry, well ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Showers
Eyewash stations

PERSONAL PROTECTIVE EQUIPMENT EYE/FACE PROTECTION

Wear safety glasses. Wear chemical and glass resistant goggles and face shield.

SKIN AND BODY PROTECTION

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

RESPIRATORY PROTECTION

If exposure limits are exceeded or irritation is experienced, MSHA/NIOSH approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.

HYGIENE MEASURES

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Glass Lumps
ODOR	Odorless
PHYSICAL STATE	Solid
PH AT 20 °C	12.5+
FLASH POINT	None
AUTOIGNITION TEMPERATURE	Not applicable
BOILING POINT/RANGE	NA
MELTING POINT/RANGE	About 700 Degree C
FLAMMABILITY LIMITS IN AIR	Not flammable
EXPLOSION LIMITS	Not applicable
SPECIFIC GRAVITY	About 2.3
WATER SOLUBILITY	Miscible with water
SOLUBILITY IN WATER 20 °C	Slight in Cold water
VAPOR PRESSURE	Not Applicable
DENSITY AT 20 °C	2.61 g/cm ³
EVAPORATION RATE	No information available
VAPOR DENSITY	Not applicable
VOC CONTENT (%)	Not applicable

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

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.
Normally suitable for disposal at approved land waste site with rules and 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.