



## SODIUM SILICATE GLASS

### 1. Chemical product and company identification:

Company Identification:	El-Samahy for chemical industries New Borg Elarab City – Alexandria – , Egypt. Contact: +2 01222496749 Email: co.elsamahy@gmail.com
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:

Colour:	Colourless to Light blue
Physical state:	Solid
Appearance:	Glass
Odour:	Odourless
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**

<b>Component</b>	<b>Percentage</b>	<b>CAS No.</b>	<b>EINECS No./ REACH Registration</b>
Sodium Silicate	99.5%	1344-09-8	215-687-4 Not registered (Non-EU manufacturer)
Moisture	0.05%	7732-18-5	231-791-2

**Chemical composition:** non-dusting homogeneous formulation of Soda Ash with Silica Sand.

### **4. FIRST AID MEASURES**

- SKIN CONTACT:** Remove contaminated clothing, jewellery, 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**

<b>APPEARANCE:</b>	Glass Lumps
<b>ODOR:</b>	Odorless
<b>PHYSICAL STATE:</b>	Solid
<b>PH AT 20 °C:</b>	12.5+
<b>FLASH POINT:</b>	None
<b>AUTOIGNITION TEMPERATURE:</b>	Not applicable
<b>BOILING POINT/RANGE:</b>	NA
<b>MELTING POINT/RANGE:</b>	About 700 Degree C
<b>FLAMMABILITY LIMITS IN AIR:</b>	Not flammable
<b>EXPLOSION LIMITS:</b>	Not applicable
<b>SPECIFIC GRAVITY:</b>	About 2.3



<b>WATER SOLUBILITY:</b>	Miscible with water
<b>SOLUBILITY IN WATER 20 °C:</b>	Slight in Cold water
<b>VAPOR PRESSURE:</b>	Not Applicable
<b>DENSITY AT 20 °C:</b>	2.61 g/cm <sup>3</sup>
<b>EVAPORATION RATE:</b>	No information available
<b>VAPOR DENSITY:</b>	Not applicable
<b>VOC CONTENT (%):</b>	Not applicable

## **10. STABILITY AND REACTIVITY**

Stable at normal temperatures and pressures.

## **11. TOXICOLOGICAL INFORMATION**

<b>Skin:</b>	No hazard
<b>Eyes:</b>	May cause irritation
<b>Inhalation:</b>	NA
<b>Ingestion:</b>	Can Cause Gastrointestinal pain, Nausea, Vomiting and Diarrhea.
<b>Chronic Exposure:</b>	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**

This Safety Data Sheet is intended to provide guidance for the safe handling, storage, and use of the product. EL-SAMAHY for Sodium Silicate Manufacturing has compiled this information with care but makes no warranties, express or implied, regarding its accuracy or suitability for any particular purpose.

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