



MATERIALSAFETY DATA SHEET
SYMER 100 (Sodium Aluminate)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Trade Name: **SYMER 100**

Chemical Name: Sodium Aluminate

Product type and use: Inorganic, Chemical Solution/ Coagulant for water treatment; binder and flocculent in the paper industry

Company **LGA Chemical Solutions, Inc.**
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San Antonio, TX 78240
Email: info@lgachemsol.com

2. HAZARDOUS IDENTIFICATION

APPEARANCE AND ODOR

Color: Colorless to yellow crystalline

Appearance: Colorless to yellow crystalline liquid

Odor: Characteristic

STATEMENTS OF HAZARD

Main Risks: Severe irritation may occur in contact in any part of the skin or eyes.

Inhalation: May cause irritation of mucous membranes.

Skin contact: May cause severe irritation.



Contact with eyes: May cause irritation and burns. May cause a permanent injury.

Ingestion: May cause severe irritation to the digestive tract

3. COMPOSITION INFORMATION ON INGREDIENTS

	CAS No.	Concentration
% NaOH	1310-73-2	≤ 25
% NaAlO ₂	1302-42-7	≤ 30
Stabilizers		≤ 2

4. HANDLING AND SAFETY

Inhalation: Go to an open place different area of contamination and get fresh air. In case the person feels unwell, SEEK MEDICAL ATTENTION.

Skin contact: Remove contaminated clothing and shoes. Wash the contaminated skin with soap and water for at least 15 minutes.

Contact with eyes: Rinse with plenty of running water for at least 15 minutes. SEEK MEDICAL ATTENTION IMMEDIATELY.

Ingestion: Flush with water, and then give water to drink. Do not encourage vomiting. SEEK FOR MEDICAL EXAMINATION IMMEDIATELY.

5. FIRE-FIGHTING MEASURES

Flammable Properties: Not Flammable

Extinguishing media

- Suitable: Regular Foam, Carbon dioxide, water, regular dry chemical. Will not burn, use appropriate media for



surrounding material

- Not suitable: None in particular

Specific protection of firefighters: Use suitable safety equipment

6. ACCIDENTAL RELEASE MEASURES

Personal Precaution: Wear appropriate chemical resistant clothing, chemical resistant gloves and safety goggles.

Clean up DO NOT COME IN CONTACT WITH SPILLED MATERIAL

- On ground: Absorb Leak and Spills- Use sand, vermiculite, absorbent clay or diatomaceous earth in contaminated areas. Sweep or vacuum up the material, and place it in a disposal container.
- On water: Inform the appropriate local authority
- On clothing or equipment: Separate contaminated clothes or equipment. Launder before reuse. Remove/Clean material from shoes and protective equipment.

7. HANDLING AND STORAGE

Handling: Keep container dry. Ensure all containers are labeled. Avoid skin and eye contact. Wear appropriate protective clothing

Store: Store in an appropriate container. Keep containers tightly closed when not in use.



8. EXPOSURE CONTROLS/ PERSONAL PROTECCION

Engineering Controls: The working area and methods should be designed to prevent contact with the product.

Personal Protection

- Eyes: Safety goggles with a faceshield.
- Protective clothing: Safety goggles, chemical resistant clothing.
- Gloves: Wear chemical resistant gloves.

Safety Station: Create equipment for eye rising and safety/quick-drench shower, and washing facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Colorless to yellow crystalline
Appearance:	Clear
Odor:	Characteristic
pH:	>12
Melting Point:	Not Applicable
Boiling Point:	>100°C
Relative Density:	1.360- 1.460
Vapor Density _(air= 1) :	Not Available
Vapor Pressure:	Not Available
Solubility in water:	Soluble
Evaporation Rate:	Not Available
Flash Point:	Not Applicable



10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions. Avoid extreme of temperature and humidity conditions
Conditions to avoid:	Avoid exposure to extreme temperatures
Materials to avoid:	Strong acids, and metals as aluminum, zinc and copper.
Hazardous decomposition products	Thermal decomposition- Sodium monoxide
Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Irritancy:	Corrosive
Animal Toxicity Data:	Not Available
Carcinogenicity:	Not considered to carcinogenic by NTP, and OSHA
Teratogenicity:	Not a known teratogenic
Mutagenicity :	Not available

12. LOGICAL INFORMATION

Environmental Effects:	Not Available
Toxic Irritation limit:	Not Available
Algae:	Not Available
Protozoa:	Not Available
Teratogenicity:	Not a known teratogenic
Mutagenicity:	Not available
Biodegradability:	Not Available



13. DISPOSAL CONSIDERATIONS

Waste Product Residues: Neutralize with acidic solutions.

Waste from contaminated packaging: Dispose in accordance with all federal, provincial/ or local regulations apply.

14. TRANSPORT INFORMATION

Dot Classification Corrosive

Special Provisions for Transportation: Not Available

15. REGULATORY INFORMATION

U.S Regulatory Status

U.S. EPA Registered: No

U.S. EPA Hazardous Air Pollutant: Not Listed

International Regulatory Status:

UNEP Persistent Organic Pollutant: Not Listed

16. PRESENTATION

S-100 is available from 5, 55 gallons drums to 265 gallons IBC totes.

*Special prices in bulk quantities.



Note.

The information in the Material Safety Data Sheet (MSDS) should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. Reasonable care has been taken in the preparation of this MSDS. The information in this MSDS is provided in good faith, based on experience using the product. However, no warranty is made as to the accuracy of and/or sufficiency of such information and/or suggestions or as to the product's merchantability or adequacy for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. There is no liability for the misuse of company product.

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