

Offer Sheet

Product	Sodium Aluminate Solution
Quantity	17 x 55 gallon drums
Net weight	Approximately 935 lbs. in each blue poly drum
Availability	One time
Location	North Chicago, IL 60064
Manufactured	
Date	4/14/25
COA & SDS	See below



Sodium aluminate solution is a versatile industrial chemical with a range of commercial uses across several sectors.

Major Commercial Uses for Sodium Aluminate Solution:

- **Water and Wastewater Treatment**
- **Construction Industry**
- **Paper and Pulp Industry**
- **Chemical Manufacturing**

Sodium aluminate solution is valued for its high reactivity, strong alkalinity, and compatibility with other treatment chemicals, making it a key component in water treatment, construction, paper manufacturing, and chemical synthesis



If interested, please call or text:

Brian Svrusis
Solvent Systems International
70 King St.
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: [Surplus Inventory](#)
Solvent-Systems.com

Product

Liquid Sodium Aluminate 45%

LOT	PO	BOL	Tank	Trailer
14898	4300202093	1115040	T3/4	2 Drums

TEST	SPECIFICATION			UNIT	RESULT
Alumina Oxide Al ₂ O ₃	24.6	-	25.4	WT%	25.0
Sodium Oxide Na ₂ O	18.8	-	19.8	WT%	19.0
Specific Gravity @ 60F	1.540	-	1.570		1.557
Specific Gravity @ 70F	info only	-	info only		
Product clear and free of solids					Pass

Manufacturing Plant - Ashtabula
3050 Lake Road East
Ashtabula, OH 44004

Sodium Aluminate (Non-CFR Use) (AbbVie Code 11056)

Product meets the requirements of NSF/ANSI/CAN 60



Sodium Aluminate Solution

USALCO 38, USALCO 43, USALCO 45

MSDS No. 132

10/27/2020

Safety Data Sheet

1. IDENTIFICATION

Product Identifier

Product Name Sodium Aluminate, solution

Other means of identification

SDS # 132

UN/ID No

UN 1819

Synonyms

USALCO 38, USALCO 43, USALCO 45

Manufacturer
USALCO, LLC
2601 Cannery Ave
Baltimore, MD 21226

Emergency Telephone Number

410-918-2230

Company Phone Number

Emergency Telephone (24 hr)

800- 282-5322

2. HAZARDS IDENTIFICATION

Appearance: Viscous colorless to amber liquid. **Physical State:** Liquid . **Odor:** No or very mild odor.

Classification

Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Corrosive to Metals	Category 1

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage
May be corrosive to metals.



Precautionary Statements - Prevention

Do not breathe fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store in corrosive resistant container or a container with corrosive resistant inner liner.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal facility.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Aluminum sodium dioxide
Chemical Family Inorganic Salt.

Ingredient Name	CAS Number	% wt
Sodium aluminate	1302-42-7	37-46
Water	7732-18-5	52-66

4. FIRST-AID MEASURES
First Aid Measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

Skin Contact Take off contaminated clothing. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention if necessary.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms are present.

Ingestion Drink plenty of water. Do not induce vomiting. Seek medical attention immediately.

Most important symptoms and effects

Symptoms Ingestion will cause corrosive burns to mouth, throat, and stomach. Contact may cause severe skin irritation and burns. May cause eye burns and permanent eye damage. Inhalation causes irritation and burning to nose and throat.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. For inhalation, consider oxygen. Avoid gastric lavage or emesis.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO₂). Water. Foam.

Unsuitable Extinguishing Media None identified.

Specific Hazards Arising from the Chemical Negligible fire hazard.

Sensitivity to Mechanical Impact Not sensitive.
 Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Reduce vapors with water spray. Avoid inhalation of combustion by-products.

6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures

Personal Precautions Do not touch damaged packages or spilled material. Keep unnecessary people away, isolate hazard area and deny entry.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike and contain spill. Move containers from spill area.

Methods for Clean-Up Cover liquid spill with sand, earth or other non-combustible absorbent material. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store away from incompatible materials.

Incompatible Materials

Acids. Combustible material. Metals. Aldehydes. Metals such as aluminum, tin, and zinc.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

No exposure limits noted for ingredient(s)

Appropriate engineering controls

Engineering Controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Wear chemical goggles and face shield.

Skin and Body Protection

Chemical resistant protective gloves. Wear appropriate chemical resistant clothing.

Respiratory Protection

While not normally required, respiratory protection may be required under conditions where extensive misting may occur due to insufficient or improper engineering controls.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	
Odor	Not available	
Odor Threshold	Not available	
Appearance	Clear to amber liquid	
pH of 1% solution	>11.5	pH of >1% solutions will range from 11.5-14
Melting Point/Freezing Point	0° to 12° F	
Boiling Point/Boiling Range	>230° F	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not flammable	
Upper Flammability Limits	Not flammable	
Lower Flammability Limit	Not flammable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	±1.52	(1=Water) @ 25 °C (77 °F)
Water Solubility	Soluble in water	
Solubility in other solvents	Insoluble in alcohol	
Partition Coefficient	Not available	
Decomposition Temperature	Not determined	
Viscosity	Up to 1,500cps @55° F	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Additional Information	Molecular Weight:	81.97
Density	12.0 to 13.1 lbs/gal	

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

May react violently with acids.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Contact with incompatible materials.

Incompatible Materials

Acids. Aldehydes. Metals such as aluminum, tin, and zinc.

Hazardous Decomposition Products

None

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information****Eye Contact**

Causes severe eye damage.

Skin Contact

Causes severe skin burns.

Inhalation

Avoid inhalation of mist.

Ingestion

Do not taste or swallow.

Information on physical, chemical and toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS
Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations. EPA Hazardous Waste Code: D002 (Corrosive) if the pH is >12.5.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Sodium aluminate 1302-42-7	Corrosive

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN1819
Proper Shipping Name	Sodium aluminate, solution
Hazard Class	8
Packing Group	II

IATA

UN/ID No	UN1819
Proper Shipping Name	Sodium aluminate, solution
Hazard Class	8
Packing Group	II

IMDG

UN/ID No	UN1819
Proper Shipping Name	Sodium aluminate, solution
Hazard Class	8
Packing Group	II

TDG

UN/ID No	UN1819
Proper Shipping Name	Sodium aluminate, solution
Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION
International Inventories

TSCA	Listed
DSL	Listed
EINECS	Listed
ENCS	Listed
IECSC	Listed
KECL	Listed
PICCS	Listed
AICS	Listed

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations
CERCLA

Sodium hydroxide is listed under SARA Section 302 (40 CFR 355 Appendix A) and CERCLA (40 CFR 302.4) and has a reportable quantity of 1,000 lbs.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

US State Regulations
California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	3	0	0	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	3	0	0	0

Issue Date 20-Sep-2011

Revision Date: 1/14/2020 – Revised Section 2. 4/05/2016 – Sec. 9 updated. 4/30/2015 - New format
10/27/2020 – Sec. 3 revised

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet