

Safety Data Sheet

1. IDENTIFICATION

Product Identifier

Product Name Sodium Aluminate, solid

Manufacturer

USALCO, LLC
2601 Cannery Ave
Baltimore, MD 21226

Other means of identification

USALCO SDS # 133

UN/ID No

UN2812

Synonyms

Sodium aluminate, solid, Aluminum sodium oxide

Recommended use of the chemical and restrictions on use

Recommended Use Water treatment chemical. Phosphorus removal. Concrete/drilling mud accelerant.

Emergency Telephone Number

Company Phone Number

Business 1-410-354-0100 (7:00am-5:00pm)

Fax 1-410-354-1021

Emergency Telephone (24 hr)

1-800-282-5322

2. HAZARDS IDENTIFICATION

Appearance: White amorphous powder.

Physical State: Solid.

Odor: Negligible.

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage



Precautionary Statements - Prevention

Do not breathe dust/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 swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Precautionary Statements - Storage

Store in a secure area.

Store in corrosive resistant plastic or FRP container or container with corrosive resistant inner liner.

Precautionary Statements - Disposal

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D002 (Corrosive) if the pH of the waste is ≥ 12.5 .

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium aluminate	1302-42-7	100

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	If adverse effects occur, remove to fresh air and observe. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention/advice.
Ingestion	Drink plenty of water. Do not induce vomiting. Seek medical attention immediately.

Most important symptoms and effects

Symptoms	Irritation and corrosive burns to mouth, throat, and stomach. Prolonged contact may even cause severe skin irritation or mild burn. 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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

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

Use water spray to keep fire-exposed containers cool. Do not release runoff from fire control methods to sewers or waterways.

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 dust/fume/gas/mist/vapors/spray. Do not let the material come into contact with moisture, dust, or dirt.

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 dusting 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

Appearance	White amorphous powder
Odor	Negligible
Odor threshold	Not determined
pH	±11.5
Relative density; (specific gravity)	1.52 (1=Water) @ 25 °C (77 °F)
Melting point/freezing point	1650-1850 °C / 3002-3362 °F
Initial boiling point and boiling range	Not applicable
Decomposition temperature	Not determined
Viscosity	Not applicable
Auto-ignition temperature	Will not burn
Evaporation rate;	Not applicable
Flammability (solid, gas)	Not applicable
Flash point	Will not burn
Upper/lower flammability or explosive limits	Will not burn
Solubility	Complete in water
Vapor density	Not applicable
Vapor pressure	Not applicable
VOC Content (%)	0.0

10. STABILITY AND REACTIVITY
Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

May ignite or explode on contact with combustible materials.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources. Dangerous gases may accumulate in confined spaces. Contact with incompatible materials.

Incompatible Materials

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

Hazardous Decomposition Products

Miscellaneous decomposition products.

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 dust.

Ingestion Do not taste or swallow.

Component Information

Not available

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.

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 UN2812
Proper Shipping Name Sodium aluminate, solid
Hazard Class 8
Packing Group III

IATA

UN/ID No UN2812
Proper Shipping Name Sodium aluminate, solid
Hazard Class 8
Packing Group III

IMDG

UN/ID No UN2812
Proper Shipping Name Sodium aluminate, solid
Hazard Class 8

Packing Group III

TDG

UN/ID No UN2812
 Proper Shipping Name Sodium aluminate, solid
 Hazard Class 8
 Packing Group III

15. REGULATORY INFORMATION

International Inventories

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

US Federal Regulations

CERCLA

Not listed

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

SARA 313

Not listed

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

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	3	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

Issue Date 20-Sep-2011
 Revision Date: 27-May-15
 Revision Note New format

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