

Material Safety Data Sheet

infosafe
CS: 3.7.0

Page: 1 of 4

Infosafe No™ ACERF Issue Date : May 2026 ISSUED by ACECHEM

Product Name **SODIUM ALUMINATE**

Classified as hazardous

Section 1 - Identification

Product Identifier	SODIUM ALUMINATE
Company Product Codes / Numbers / Unique Identifiers	S153130
Company Name	ACE CHEMICAL COMPANY (ABN 35619819300)
Address	119A Mooringe Avenue Camden Park SA 5038 AUSTRALIA
Telephone/Fax Number	Tel: 08-8376 0844 Fax: 08-8295 8563
Emergency Phone Number	0438760844
E-mail Address	acechem@bigpond.com
Recommended use of the chemical and restrictions on use	Mordant; zeolites; water purification; sizing paper; manufacture of milk-glass, soap and cleaning compounds.
Other Information	Ace Chemical Company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Ace Chemical Companies control.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Corrosive to metals: Category 1 Eye damage/irritation: Category 1 Skin corrosion/irritation: Category 1
Signal Word	DANGER
Hazard Statement (s)	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.
Pictogram (s)	Corrosion



Precautionary Statement – Prevention	P234 Keep only in original packaging. P260(a) Do not breathe dusts or mists. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P321 Specific treatment (see on this label). P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage.
Precautionary Statement – Storage	P405 Store locked up. P406 Store in a corrosion resistant container with a resistant inner liner.
Precautionary Statement – Disposal	P501 Dispose of contents/container to .

Material Safety Data Sheet

infosafe
CS: 3.7.0

Page: 2 of 4

Infosafe No™ ACERF

Issue Date : May 2026

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Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Sodium Aluminate	1302-42-7	100 %

Section 4 - First Aid Measures

Inhalation	Seek medical attention. Allow the victim to rest in a well ventilated area. Seek immediate medical attention. Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
Ingestion	Seek immediate medical assistance. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Skin	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands : Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. If irritation persists, seek medical attention. Wash contaminated clothing before reusing. Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Eye	Seek immediate medical assistance. Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Section 5 - Firefighting Measures

Specific Hazards Arising from the Chemical	SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing
Hazchem Code	4W

Section 6 - Accidental Release Measures

Spills & Disposal	Contain all spills. Sweep up powder and place in appropriate container for disposal. Wash residues away with water. Wear full protective clothing. For disposal refer to State Waste Management Authority.
Clean-up Methods - Small Spillages	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Clean-up Methods - Large Spillages	Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7 - Handling and Storage

Material Safety Data Sheet

infosafe
CS: 3.7.0

Page: 3 of 4

Infosafe No™ ACERF Issue Date : May 2026 ISSUED by ACECHEM

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Conditions for safe storage, including any incompatibilities Sodium aluminate can be stored indefinitely in air-tight drums or bags. Carbon dioxide from the atmosphere will eventually destabilise the powder. May corrode glass. Store in an appropriate container. Corrosive materials should be stored in a separate safety storage cabinet or room.

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values TWA: 2 (mg/m3) Consult local authorities for acceptable exposure limits.

Engineering Controls Avoid generating and inhaling dusts. Good ventilation should be used. (Typically ten room volumes per hour is considered good general ventilation; ventilation rates should be matched to conditions of use).

Personal Protective Equipment The following personal protective equipment should be worn. Sodium aluminate is an alkaline product and care should be exercised to prevent contact with the eyes, skin and clothing. Do not take internally. Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9 - Physical and Chemical Properties

Appearance White crystalline powder

Melting Point 1800 C

Boiling Point No Data

Specific Gravity No Data

pH (5%) greater than 13; alkaline

Vapour Pressure No Data

Flash Point No Data

Flammable Limits - Lower No Data

Molecular Weight 217.99 g/mole

Other Information SOLUBILITY IN WATER: Soluble
ODOUR: None.

Section 10 - Stability and Reactivity

Possibility of Hazardous Reactions INCOMPATIBILITY: Avoid copper and rubber because of the high pH. Sodium aluminate solutions are non-corrosive to iron and steel equipment used in storage. A suitable strength of the solution is 1% to 5%. Where additions of large amounts of water is not advisable then the solution can be made up to 15% concentration. Soft water is preferred for preparation, although it is not absolutely necessary.

Section 11 - Toxicological Information

Chronic Effects Potential Chronic Health Effects:
Extremely hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant), of ingestion, of inhalation.
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure

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infosafe
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Page: 4 of 4

Infosafe No™ ACERF Issue Date : May 2026 ISSUED by ACECHEM

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of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Section 12 - Ecological Information

Ecological Information Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Section 13 - Disposal Considerations

Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 - Transport Information

ADG UN Number 1759
ADG Proper Shipping Name CORROSIVE SOLID, N.O.S.
ADG Transport Hazard Class 8
ADG Packing Group I
Hazchem Code 4W
EPG Number 8A2
IERG Number 37

Section 15 - Regulatory Information

Poisons Schedule Not Scheduled
Packaging & Labelling As required by the ADG Code.

Section 16 - Any Other Relevant Information

Contact Person/Point Ace Chemical Company
119A Mooringe Avenue
Camden Park S.A. 5038
Tel: 08-8376 0844 Fax: 08-8295 8563
or Poisons Information Centre
Tel: 13 11 26
Disclaimer:
Ace Chemical Company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Ace Chemical Companies control.

Empirical Formula & Structural Formula Na₂Al₂O₄

...End Of MSDS...

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