

Safety Data Sheet

Aluminum Chlorohydrate

SECTION 1 – PRODUCT AND SUPPLIER IDENTIFICATION

Product: Aluminum Chlorohydrate
Supplier: SingleTrack Solutions Corp.
Address: 4838 Richard Road SW, Calgary, Alberta, Canada T3E 6L1
Office: 1-587-353-4119

Product detail

Product Name: Aluminum Chlorohydrate
Synonyms: N/A
CAS No.: 12042-91-0

SECTION 2 – HAZARD(S) IDENTIFICATION

Potential Health Effects

Acute Health Effects

Skin Contact: Hazardous as an irritant.
Eye Contact: Hazardous as an irritant.
Ingestion: Hazardous.
Inhalation: Hazardous.

Chronic Health Effects

Carcinogenic Effects: Data not available.
Mutagenic Effects: Data not available.
Teratogenic Effects: Data not available.
Developmental Toxicity: Data not available.
Repeated or prolonged exposure does not appear to worsen medical conditions.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Composition

Name	CAS#	% by weight
Aluminum Chlorohydrate	12042-91-0	100

Toxicological data on ingredients: Aluminum chlorohydrate LD50: Not available. LC50: Not available.

SECTION 4 – FIRST-AID MEASURES

First Aid Measures

Eye Contact: Remove any contact lenses. Flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Seek medical attention immediately.

Skin Contact: Flush skin with plenty of water immediately upon contact. Apply an emollient to the irritated skin. Remove contaminated clothing and shoes. Use cold water. Wash clothing and thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Clean the area with disinfectant soap and cover with an antibacterial cream. Seek medical attention.

Inhalation: If inhaled, move to fresh air. If not breathing, perform artificial respiration. Provide oxygen if breathing is difficult. Get medical attention.

Serious Inhalation: Information not available.

Ingestion: Do not induce vomiting unless instructed by medical personnel. Do not give anything by mouth to an unconscious person. If large quantities are ingested, call a physician immediately. Loosen tight clothing such as collars, ties, belts, or waistbands.

Serious Ingestion: Information not available.

SECTION 5 – FIRE-FIGHTING MEASURES

Fire Safety Information

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Data not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances

Mechanical Impact: Risks of explosion not available.

Static Discharge: Risks of explosion not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks

On Fire Hazards: Not available.

On Explosion Hazards: Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill Response Procedures

Small Spill: Utilize suitable tools to transfer the spilled solids into a designated waste disposal container. Complete the cleanup by rinsing the contaminated area with water and dispose of the waste according to local and regional regulations.

Large Spill: Employ a shovel to collect the material and place it into an appropriate waste disposal container. Clean the area by washing the contaminated surface with water, which can be allowed to drain through the sanitary system, if permissible.

SECTION 7 – HANDLING AND STORAGE

Precautions: Avoid inhaling dust. Wear appropriate protective clothing. Use suitable respiratory protection in areas with inadequate ventilation. If you experience any adverse symptoms, seek medical attention, and provide the product label if possible. Avoid skin and eye contact.

Storage: Store in a tightly sealed container. Keep in a cool, well-ventilated area.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Implement process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne contaminant levels below recommended exposure limits. Ensure proper ventilation, especially if operations generate dust, fumes, or mist, to keep exposure within safe limits.

Personal Protection: Wear splash goggles, a lab coat, and dust respirator. Ensure the respirator is approved/certified. Use gloves for hand protection.

Personal Protection in Case of a Large Spill: Equip yourself with splash goggles, a full protective suit, dust respirator, boots, and gloves. Use a self-contained breathing apparatus to prevent inhalation of the product. Standard protective clothing may not be adequate; consult a specialist before handling the product.

Exposure Limits: Not available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

State and Appearance:	Solid, typically in powdered form.
Odor:	Odorless.
Molecular Weight:	210.48 g/mole.
Color:	Ranges from white to light yellow.
Chemical Properties:	
pH:	Between 4.0 and 5.0 in a 15% solution with water.
Boiling Point:	Not specified.
Melting Point:	Decomposes upon heating.
Critical Temperature:	Not specified.
Specific Gravity:	1.7 (compared to water).
Vapor Pressure:	Not applicable.
Vapor Density:	Not specified.
Volatility:	Not specified.
Odor Threshold:	Not specified.
Water/Oil Distribution Coefficient:	Not specified.
Ionicity in Water:	Not specified.
Dispersion Properties:	Refer to solubility characteristics.
Solubility:	Soluble in cold water, facilitating various uses and applications.

SECTION 10 – STABILITY AND REACTIVITY**Chemical Stability and Reactivity Information**

Stability:	The product is stable under normal conditions.
Instability Temperature:	Not specified.
Conditions of Instability:	Not specified.
Incompatibility with Various Substances:	Information not available.

Corrosivity and Reactivity

Corrosivity:	Non-corrosive when in contact with glass.
Special Remarks on Reactivity:	Not specified.
Special Remarks on Corrosivity:	Not specified.
Polymerization:	Will Not Occur

SECTION 11 – TOXICOLOGICAL INFORMATION**Exposure and Toxicity Information**

Routes of Entry: Possible through eye contact, inhalation, and ingestion.

Toxicity to Animals

- LD50:** Data not available.
- LC50:** Data not available.

Safety Data Sheet

Effects on Humans

Chronic Effects on Humans: Information not available.

Other Toxic Effects on Humans: Hazardous in cases of skin contact (irritant), ingestion, and inhalation.

Additional Remarks

On Toxicity to Animals: No additional information available.

On Chronic Effects on Humans: No additional information available.

On Other Toxic Effects on Humans: No additional information available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Data not available.

BOD5 and COD: Biochemical Oxygen Demand and Chemical Oxygen Demand data are not available.

Biodegradation

Products of Biodegradation: Short-term degradation products are unlikely to be hazardous, but long-term degradation products could potentially arise.

Toxicity of Degradation Products: The products resulting from biodegradation are considered more toxic than the original substance.

Additional Remarks

On Products of Biodegradation: No further information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Before disposing of waste, review and comply with all applicable federal, state, and local regulations to ensure proper and legal disposal practices.

SECTION 14 – TRANSPORTATION INFORMATION

DOT classification: Not a DOT controlled material (United States).

Identification: Not applicable

Special provisions for transport: Not applicable

SECTION 15 – REGULATORY INFORMATION

Canadian Regulations: This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no) *
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product are listed on the inventory administered by the governing country(s) or are exempt.

A "No" indicates that one or more components of the product are not listed on the inventory administered by the governing country(s)

Disclaimer: This Data Sheet provides information without warranty or guarantee. "Physical Properties" are representative values, not specifications. Users must assess product suitability for their applications.

Safety Data Sheet

SECTION 16 – OTHER INFORMATION

These SDS summaries at the date of issue our best knowledge of the health and safety hazard information of the product, and how to safely handle and use the product in the workplace. Since SingleTrack Solutions cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard term and conditions, a copy of which is sent to our customers and is also available upon request.

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