

Material Safety Data Sheet

ALUMINUM CHLOROHYDRATE

Section 1 - Product and Company Identification

Product Name : Aluminum Chlorohydrate

CAS No. : 12042-91-0

Company Identification : Tradeasia International Pte. Limited

Address :

133 Cecil Street # 12-03 Keck Seng Tower, Singapore

Tel: +65-6227 6365

Fax: +65-6225 6286

Email: contact@chemtradeasia.com

Section 2 - Composition/Information on Ingredients

Substances

Name of substance	Aluminum Chlorohydrate	Water
CAS No	12042-91-0	7732-18-5

Section 3 - Hazardous Ingredients & Occupational Exposure Limits

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause irritation and redness.

SKIN CONTACT: Skin contact may cause irritation. Skin may dry or crack due to astringent nature of material.

INGESTION: May cause burning in mouth and throat. Wash with water immediately and seek medical attention.

INHALATION: Inhalation may result in an adverse reaction to persons previously sensitized to the material.

Section 4 - First-Aid Measures

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Cover the irritated skin with an emollient.

Remove contaminated clothing and shoes. Wash clothing & shoes before reuse. Get medical attention.

INGESTION: Do not induce vomiting. Never give anything by mouth to an unconscious person. If large quantity of this material is swallowed, call a physician immediately.

INHALATION: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.

Section 5 - Fire Fighting Measures

GENERAL INFORMATION: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

SPECIAL FIRE HAZARDS: In case of fires, hazardous chlorine compounds are formed:

Hydrogen Chloride (HCl)

EXTINGUISHING MEDIA: Product itself is non-combustible.

FLASH POINT: Not available

FLAMMABLE LIMIT: Non-flammable

Section 6 – Accidental Release Measures

GENERAL INFORMATION: Use proper personal protective equipment as indicated in section 8.

SPILLS/LEAKS: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch or walk through spilled material.

Section 7 – Handling and Storage

HANDLING: Avoid contact with eyes and skin. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practice should be followed when handling this material. Avoid freezing or excessive heat.

STORAGE: Product shall be packed in well closed packing container and stored in clean and dry place.

Section 8 – Exposure Controls/Personal Protection (later)

EXPOSURE LIMITS: The ACGIH TLV and OSHA TLV-TWA for soluble aluminum salts is 2 mg/m as Al (8 hours time weighted average).

(ACGIH: Amer. Conf. of Industrial Hygienists, TLV: Threshold Limit Value, TWA: Time Weighted Average)

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES: Wear safety glasses and chemical goggles.

SKIN: Wear appropriate protective gloves and PVC clothing to prevent skin exposure.

RESPIRATORS: Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece or airline respirator/organic vapor/mist respirator.

OTHER PROTECTIVE MEASURES: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

Section 9 – Physical and Chemical Properties

COLOR : Clear to slight hazy

ODOR : Odorless

PH VALUE : 4.0 - 4.4 (30% w/w)

SOLUBILITY IN WATER : Soluble in water

Section 10 – Stability and Reactivity

CHEMICAL STABILITY: Stable under normal condition.

INCOMPATIBILITIES WITH OTHER MATERIALS: Not known

HAZARDOUS DECOMPOSITION: Will not occur

HAZARDOUS POLYMERISATION: Will not occur

Section 11 – Toxicological Information

LD50/LC50: Not available

CARCINOGENICITY: Not available.

CHRONIC EFFECTS ON HUMANS: Repeated or prolonged exposure is not known to aggravate medical condition.

Section 12 – Ecological Information

BIODEGRADABILITY: Not degradable

FISH TOXICITY: Not available

Section 13 – Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements. Characterization and compliance with applicable laws are the responsibility solely of the generator.

Section 14 – Transport Information

DOT CLASSIFICATION : Not a DOT regulated material (USA)

ADR : Not restricted

ADNR : Not restricted

RID : Not restricted

IATA : Not restricted

IMDG : Not restricted

Section 15 – Regulatory Information

LABELLING IN ACCORDANCE WITH EC – DIRECTIVES: The product does not require a hazard warning label in accordance with EC directives.

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are either exempt or listed on the TSCA inventory.

Section 16 - Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Tradeasia International Pte. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.

ABBREVIATION:

N/A – Not Available

N/F – Not Found