

Aluminum Chlorohydrate

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: Aluminum chlorohydrate
 INCI Name: Aluminum chlorohydrate
 Chemical Name: Dialuminium chloride pentahydroxide
 CAS Number: 12042-91-0
 EINECS Number: 234-933-1

Eye Contact: May cause mild irritation and redness.
 Skin Contact: Skin contact may cause irritation. Skin may dry or crack due to astringent nature of material.
 Ingestion: Effects of small amount are negligible; large amounts may injure slightly.

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: -7°C (20°F)
 Specific Gravity, H₂O= 1: 1.15 - 1.35
 Vapor Pressure, mmHg: not available
 Vapor Density, Air= 1: not available
 Evaporation Rate: 50 - 75 % (water)
 Viscosity: not applicable
 Solubility in Water: soluble in cold water
 pH Value: 4 - 5 (15% w/w)
 Appearance & Odor: off-white powder, odorless

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.
 Skin: Immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing & shoes before reuse. Get medical attention.
 Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. seek medical attention if symptoms persist.
 Ingestion: Do not induce vomiting. Never give anything by mouth

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
 Incompatibility: none known
 Hazardous Decomposition: will not occur
 Hazardous Polymerisation: will not occur

9. FIRE FIGHTING MEASURES

Flash Point, Flammable Limits: not available.
 Extinguishing Media: Will not burn.
 Special Fire Hazards: Possible formation of hazardous chlorine compounds.

4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container closed in a cool, well-ventilated place.

10. TOXICOLOGICAL INFORMATION

LD 50, LC 50: Not available.
 Carcinogenic & Mutagenic Effects: Not available.
 Chronic Effects on Humans: Repeated or prolonged exposure is not known to aggravate medical condition.

5. ACCIDENTAL RELEASE MEASURES

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. Wear appropriate personal protective equipment during cleanup. Small spills: dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage.

11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits: The ACGIH TLV for soluble aluminum salts is 2 mg/m³ as Al (8 hour time-weighted average).
 Respiratory Protection: If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.
 Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists, dusts or splashing. PVC coated gloves recommended to prevent skin contact.
 Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

12. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (USA).
 ADR/ R I C: Refer to corresponding class code
 Maritime Transport I MDG: Refer to corresponding class code
 Air Transport I ATA: Refer to corresponding class code

7. HAZARDS IDENTIFICATION

Inhalation: Although unlikely to occur, inhalation may result in an adverse reaction to persons previously sensitized to the material.

13. DISCLAIMER

This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

ALL DATA HEREIN ARE ALL AS PER OUR SUPPLIER.