

## Aluminum Chlorohydrate


Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Aluminum Chlorohydrate	<b>Distributor:</b>	Ucn Chemical Limited
<b>Synonyms:</b>		<b>Address:</b>	Korkut Reis Mahale Cad 13/7 Cankaya Ankara
<b>INCI Name:</b>	Aluminum Chlorohydrate	<b>Phone / Fax:</b>	+905551881877
<b>CAS Number:</b>	12042-91-0	<b>Web:</b>	<a href="http://www.ucnchemical.com">www.ucnchemical.com</a>
<b>Formula:</b>	Al <sub>2</sub> Cl(OH) <sub>5</sub> .2H <sub>2</sub> O		
<b>Product Form:</b>	Powder		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

**GHS Signal Word:** DANGER

**GHS Hazard Pictograms:** 

**GHS Hazard Statements:**  
H290: May be corrosive to metals  
H302: Harmful if swallowed  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H335: May cause respiratory irritation

**GHS Precautionary Statements:**  
P264: Wash skin thoroughly after handling  
P270: Do not eat, drink, smoke when using product  
P280: Wear protective gloves, eye/face protection  
P312: If swallowed call poison center or doctor  
P305: If in eyes rinse cautiously with water for several minutes. Remove contact lenses.

**Potential Health Hazards:**  
**Eyes:** May cause eye irritation.  
**Inhalation:** May cause irritation of the respiratory tract.  
**Skin:** May cause skin irritation  
**Ingestion:** May cause irritation of the gastrointestinal tract.

**NFPA Ratings (704):**

Health	1	Slight
Flammability	0	Minimal
Reactivity	0	Minimal

Specific Hazard

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Aluminum Chlorohydrate	12042-91-0	100%	210.48 g/mol

### 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, rinse with plenty of water and seek medical attention immediately.

**Inhalation:** Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

**Skin:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention immediately.

**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

### 5 FIRE-FIGHTING MEASURES

**Flammability:**  
**Products of Combustion:**

Product is not flammable. Auto-ignition temperature and flash points not available.  
Not applicable

**Suitable (and unsuitable) extinguishing media:** Small Fire: use dry chemical powder, Large Fire: Use water spray, fog or foam. Do not use water jet.  
**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.  
**Specific hazards:** Not available

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions:** See section 8 for recommendations on the use of personal protective equipment.  
**Environmental precautions:** Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements  
**Methods and material for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

**Safe handling:** See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.  
**Safe storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Aluminum Chlorohydrated	Not available		
TWA: Time Weighted Average over 8 hours of work.		STEL: Short Term Exposure Limit during x minutes.	
TLV: Threshold Limit Value over 8 hours of work.		IDLH: Immediately Dangerous to Life or Health	
REL: Recommended Exposure Limit		WEEL: Workplace Environmental Exposure Levels	
PEL: Permissible Exposure Limit		CEIL: Ceiling	

**Personal Protection:**  
**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.  
**Inhalation:** Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.  
**Skin:** Wear nitrile or rubber gloves, apron or lab coat.  
**Other:** Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Crystalline powder	<b>pH Value (15% in aqua):</b>	4-5
<b>Odor:</b>	Odorless	<b>Vapor Density:</b>	Not available
<b>Color:</b>	White	<b>Vapor Pressure:</b>	Not applicable
<b>Medium Particle Size:</b>	Not available	<b>Flash Point:</b>	Not applicable
<b>Molecular Weight:</b>	210.48 g/mol	<b>Specific Gravity:</b>	1.7 g/cm <sup>3</sup>
<b>Specific Surface Area (BET):</b>	Not available	<b>Solubility:</b>	Soluble in water
<b>Boiling Point:</b>	Not available		
<b>Melting Point:</b>	Decomposes		

## 10 STABILITY AND REACTIVITY

**Reactivity:** Stable under normal temperatures and pressures.  
**Incompatibilities:** Not available  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** Not available  
**Hazardous Decomposition Products:** Not available

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** LD50: Not available. LC50: Not available  
**Carcinogenicity:** Not available  
**Teratogenicity:** Not available

**Mutagenicity:** Not available  
**Sensitizing:** Not available  
**Reproductive Toxicity:** Not available

**12 ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available  
**Environmental:** Not available

**13 DISPOSAL CONSIDERATIONS**

**Waste Residues:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Waste generators must consult state and local hazardous waste regulations to ensure accurate classification.  
**RCRA P & U-Series:** None listed

**14 TRANSPORT INFORMATION**

**DOT (Dept. of Transportation, USA):** Not regulated  
**TDG (Transportation of Dangerous Goods, Canada):** Not regulated  
**ICAO (International Civil Aviation Organization):** Not regulated

**15 REGULATORY INFORMATION**

**TSCA Inventory Status:** TSCA 8(b) inventory: Aluminum chlorohydrate  
**DSCL (EEC):** R36/38- Irritating to eyes and skin  
**WHMIS (Canada):** Not controlled under WHMIS (Canada)

**16 OTHER INFORMATION**

**Revision Date:** 05-05-2015  
**Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200  
**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.