



Product Fact sheet

Anhydrous Aluminium Chloride Granules

General:

Product Name : Aluminium Chloride Anhydrous Granules
 Chemical Name : Aluminium Chloride
 CAS No : 7446-70-0
 UN No : 1726

Properties	
Appearance	Yellowish-white crystals
Physical state	Solid (hygroscopic)
Sublimation point (1.1325 mbar)	178 deg C
Melting point	192 deg.C
Solubility	Soluble in water
Bulk density	1.20 – 1.45 at 25 deg C
pH (100 g/l., 20 deg.C)	2.4
Odour	Strong odour of hydrochloric acid.

Chemical Identity	
Formula: AlCl ₃	CAS No. 7446 - 70- 0
UN No. 1726	Codes/Label-corrosive, Class-8
Hazchem Code	4 X

Specifications

Purity : Granules	Min. 99.5%
Free Al	Max. 0.045% (45 ppm)
Iron as Fe	Max. 0.002% (20 ppm)
Water insoluble	Max. 0.03% (300 ppm)
Non volatile	Max. 0.90%

Toxicity	
LD ₅₀ (Oral-Rat)	3730 mg/Kg
TLV (TWA-ACGIH)	2mg/M ³
Odour Threshold	1.5 ppm

Applications

Anhydrous Aluminum Chloride is the principal catalyst used in Friedel Craft reaction for the manufacture of Ethyl benzene, Isopropyl benzene, Hydrocarbon resins, Terpene resins, Polybutenes, Anthraquinone, Ethyl Chloride, Dodecyl benzene, Dyestuffs (Phthalo-cyanine blues and greens), Alkyl Benzene, Titanium dioxide, Metaphenoxy benzaldehyde etc.

Packaging

- 1000 kgs. Jumbo bag
- 275 kgs. MS Drum with double PVC liner
- 250 kgs. MS Drum with double PVC liner
- 200 kgs. MS Drum with double PVC liner
- 25 kgs. LDPE bag with double PVC liner

Safety / Precaution

Keep away from heat and water. Avoid inhalation. Use with adequate ventilation.

Storage

Store in a cool, dry, well ventilated area, away from heat, moisture, source of ignition and strong alkaline material.