

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Poly Aluminium Chloride
Synonyms: PAC, Poly Aluminium Hydrochloride
INCI Name: Poly Aluminium Chloride
CAS Number: 1327-41-9
Chemical Formula: $[Al_2(OH)_nCl_{6-n}]_m$
Product Form: Solid
Product Use: Water treatment chemical.

Supplier: ASES CHEMICAL WORKS.
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Jodhpur - 342001 Rajasthan-India
Phone: +91-9636889954
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2 HAZARDS IDENTIFICATION

Most important hazard: Mild Irritant
Safety Phrases: Keep out of reach of children. In case of contact with skin wash immediately with plenty of water.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	EC Number	Molecular Weight	Concentration
Poly Aluminium Chloride	1327-41-9	215-477-2	133.5 -174.5	30%

4 FIRST AID MEASURES

Eye contact: Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact: Wash area off with water. If irritation occurs, get medical attention.
Inhalation: If inhaled, removed to fresh air. Get medical attention if symptoms appear.
Ingestion: Seek medical attention or contact local poison control centre.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Poly Aluminium Chloride is non-flammable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing. See Section 8 of this.
Data Sheet. Environmental Precautions: Where a spillage or contaminated washings causes contamination of watercourses, drains or vegetation inform relevant authorities.
Clean up procedure: Contain all spillage of PAC. Dispose of using licensed waste disposal contractors.

7 HANDLING & STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not breathe product mists. Use with adequate ventilation. Handle as material of moderate oral toxicity. Do not smoke or eat while handling. Use good housekeeping and personal hygiene. Wash thoroughly after handling.
Storage: Store at moderate temperatures in a dry, well-ventilated area. Protect from physical damage and from freezing. Keep containers tightly closed

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Protective overalls, Rubber gloves, Eye goggles/ Face shield, Hard hat, Acid resistant boots.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow to brown powder	Bulk density	1.37± 0,02 kg/m ³
Odor	Slight chlorine odor	Solubility (Water)	100% Soluble
pH(1%)	3.5-5.0	Solubility (Other)	Not available
Melting Point	No Data	Evaporation Rate	Not applicable
Viscosity	10-50 mPa.s (dynamic, @25°C)	Volatile Organic Compounds	Not applicable

MATERIAL SAFETY DATA SHEET

POLY ALUMINIUM CHLORIDE

10 STABILITY AND REACTIVITY

Reactivity:	No Reaction.
Stability:	As supplied Poly Aluminium Chloride is stable at normal temperatures and pressures.
Air :	No Reaction
Water :	Coagulates substances suspended or dispersed in water to settle quickly to form a filterable sludge
Acids :	With hydrochloric acid or sulphuric acid bulk precipitation of solid occur.

11 TOXICOLOGICAL INFORMATION

Basis / Alkalis :	Bulk precipitation occurs with evolution of heat.
Skin/Eye:	Causes Irritation
Skin absorption :	Repeated skin exposure may cause Dermatitis
Ingestion:	Irritation of mucous membrane brought into direct contact.
Toxicity :	Acute oral toxicity in mice 34.5 g/kg.

12 ECOLOGICAL INFORMATION

The product undergone tests with various concentrations, proved to be entirely harmless to aquatic life up to concentration of 200 mg/l expressed as Al₂O₃(corresponding to 2 g/l of PAC AC/100 S).

13 DISPOSAL CONSIDERATIONS

Review federal, state and local government requirements prior to disposal. Whatever cannot be saved for recovery or recycling, including containers, should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options

14 TRANSPORT INFORMATION

Shipping information:	Not regulated as a hazardous material by DOT, IMO, or IATA.
Shipping Containers:	Tank Cars Tank Trucks Flexible Intermediate Bulk Containers Tote Bins Bags

15 REGULATORY INFORMATION

Symbol(s) :	Mild Irritant
R-Phrases(s) :	R38 – Irritating to skin
S-Phrases(s) :	S26 – Keep out of reach of children in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. S2 – Keep out of reach of children

16 OTHER 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 ASES CHEMICAL WORKS assume no liability resulting from its use.