



MSDS POLY ALUMINUM CHLORIDE

THE ALPHA ENTERPRISE

**YELLOW/WHITE FOOD
GRADE**

POLYALUMINIUM CHLORIDE MSDS

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1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label: Polyaluminium Chloride

Alternative Names: PAC

2. COMPOSITION AND INFORMATION ON COMPONENTS

Name: Polyaluminium Chloride

Major Components: $\text{Al}_2\text{Cl}(\text{OH})_5$

CAS No.: 1327-41-9

3. HAZARDS IDENTIFICATION

Designation: unarmful

Main Applications: Polyaluminium Chloride (PAC) is an inorganic high polymer flocculating agent. Mainly used to purify drinking water, also used for special water treatment removing the iron cadmium, fluoride, radioactive contamination, oil slicks etc. in the special water quality. Also used for industrial wastewater treatment, such as printing and dyeing wastewater, in the foundry, paper, pharmaceutical, leather and so on are also widely used.

4. FIRST AID MEASURES

Skin Contact: Remove contaminated clothing. Wash affected area with flowing water for at least 15 minutes. Rinse thoroughly. If unusual symptoms are observed, seek medical advice.

Eye Contact: Flush with copious amounts of water for at least 15 minutes. If symptoms arise, seek medical advice.

Inhalation: Remove to fresh air. Seek medical advice if symptoms persist.

Ingestion: Rinse out mouth and drink some milk or egg white. In case of unusual symptoms, seek medical attention.

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5. FIRE FIGHTING MEASURES

Extinguishing Medium Use firefighting measures which suit the environment and take into account other materials which may be involved.

In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

Protective Equipment Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Isolation leakage polluted area, restricting access. Wear protective equipment including dust mask (full cover) and acid and alkali resistant clothes. Do not direct contact with leakage. A small leak. Avoid dust and collect in sealed containers with clean shovel. Large Leak Cover with plastic and canvas. Removed under the guidance of experts.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow solid powder

Physical Constants: m.p. 181-183°C

Molecular formula: $\text{Al}_2\text{Cl}(\text{OH})_5$

Formula Wt.: 185.22

Density: Not available

Fusing Point: 190(253kPa)

Boiling point: Not available

Relative density (water= 1): 2.44

Relative density (air= 1): Not available

Saturated vapor pressure: 0.13(100°C)

Solubility: Soluble in water, alcohol, chloroform, carbon tetrachloride, slightly soluble in benzene

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10. STABILITY AND REACTIVITY

Stability: Stable

Specific Hazard: Not available

Incompatibilities: Flammable or combustible, alkaline and alcoholic materials, water

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50: 3730 mg / kg (rat oral)

Irritating: No data

Subacute and chronic toxicity: No data

Reproductive toxicity: No data

Carcinogenic: No data

Mutagenicity: No data

12. ECOLOGICAL EFFECTS

General: Take care to prevent chemicals from entering the ground, water courses or drainage systems.

13. DISPOSAL CONSIDERATIONS

Disposal: Disposal should be via an approved contractor and should take full account of local regulations.

14. TRANSPORT INFORMATION

PackingO52: Packing method PP bag with PE film inside,25kg/bag

15. REGULATORY INFORMATION

CAS No.: 1327-41-9

Hazard Indication: HARMFUL

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*Risk & Safety Phrases Harmful: May cause lung damage if swallowed. Wear suitable protective clothing.

16. OTHER INFORMATION

The product shall be sealed and stored in the dry and ventilated place to prevent it from rain, high temperature and strong sunlight .The shelf life of product is 12 months.

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