



# Aluminum Chloride Solution Technical Grade A PRODUCT BULLETIN

**CAS NUMBER:** 7784-13-6

**CHEMICAL FORMULA:**  $\text{AlCl}_3$  in aqueous solution

**DESCRIPTION:** A clear, yellowish solution produced from the reaction of aluminum or aluminum hydroxide with hydrochloric acid.

**NSF CERTIFICATION:** Aluminum Chloride manufactured at Baton Rouge, LA and Chickasaw, AL are NSF-60 certified. Maximum use in potable water is 70 mg/l.

**APPLICATION:**  
CSource of soluble aluminum for the production of aluminum chemicals.  
CClarifying aid for raw-water and wastewater treatment.  
CPitch control and sizing agent in pulp and paper production.

## CHEMICAL AND PHYSICAL PROPERTIES:

	Minimum	Maximum	Typical
* $\text{AlCl}_3$ % by wt.	23.0	30	25
*Specific Gravity @ 60°F	1.23	1.30	1.25
$\text{Al}_2\text{O}_3$ % by wt.	8.8	11.5	9.6

\*Certificate of Analysis Properties

**PACKAGING:** 4,500 gallon rubber-lined tank trucks, railcars, intermediate bulk containers, and 55 gallon drums.

## HANDLING & STORAGE:

### Materials of Construction:

Storage tanks, piping, and equipment - Rubber lined steel, Ni-Cr-Mo alloys, plastic, or FRP suitable for aluminum chloride solution service. Carbon steel and stainless steel are not suitable for aluminum chloride solution service.

Storage temperature - ambient, freezes at approximately 5°F

**SAFETY:** Should be handled in open or well ventilated areas. Eye and skin contact is prevented through the use of safety glasses, goggles, face shield, protective clothing, and gloves. Contact with aluminum chloride solution should be removed with copious amounts of water. **Do not use this product until the MSDS has been read, understood, and required safety precautions are followed.**

(over)

**SHIPPING POINTS:** Baton Rouge, LA and Chickasaw, AL

**DOT MARKINGS:** Aluminum Chloride Solution, 8, UN2581, PG III, Placarded Corrosive

### **SALES OFFICE**

For Product Information:

TEL: 662-494-3055

FAX: 662-494-2828

Post Office Drawer 1217

West Point, MS 39773

To Place an Order:

TEL: 800-953-3585

FAX: 800-953-3588

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#### IMPORTANT

The information on this Product Bulletin is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.

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