



Dry Alum

PRODUCT DATA SHEET

CHARACTERISTICS

Dry Alum is a pale green to white colored crystal. It is an inorganic coagulant and flocculant suitable for industrial and municipal water and wastewater treatment applications.

NSF/ANSI Standard 60: Drinking Water Chemicals - Health Effects; Certified

TYPICAL PROPERTIES

Formula:	Aluminum sulfate hydrate: $Al_2(SO_4)_3 \cdot 14H_2O$	
C.A.S.	16828-12-9 (Aluminum sulfate hydrate)	
	pH of 1% Solution (approx.)	3.5
	Bulk Density (Ground), lbs./cu. ft.	63 - 71
	(Powdered), lbs./cu. ft.	38 - 45
	Granulation (Ground): Through 4 mesh screen	100%
	Through 10 mesh screen	90% (min)
	Granulation (Powdered): Through 30 mesh screen	99% (min)
	Through 100 mesh screen	50% (min)
	Aluminum as Al, %	9.0 (min)
	Aluminum as Al_2O_3 , %	17.0 (min)

PRODUCT USES

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking. Paper machine pitch control.

SHIPPING CONTAINER

Ground: Bulk car; Bulk transport; 2000 lb. mini-bulk bag; 1000 lb. mini-bulk bag; 50 lb. bag

Powdered: 1650 lb. mini-bulk bag; 50 lb. bag

SHIPPING REGULATIONS

DOT Classification: Regulated, only if greater than 5000 Lbs. in one package.

If greater than 5000 Lbs.: Environmentally Hazardous Substances, Solid, N.O.S. (Contains Aluminum Sulfate); Hazard Class: 9 DOT ID Number: UN 3077 Packing Group: III

PRODUCT SAFETY INFORMATION

Dry Alum may cause irritation to the skin, eyes and respiratory tract. Avoid contact with skin, eyes and clothing. Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Material Safety Data Sheets (MSDS)** for these products or you may contact Chemtrade Technical Service. In the event of an emergency with these products, call the 24 hour **Emergency Number: USA (CHEMTREC) 800-424-9300** or **Canada (CANUTEC) 613-996-6666**. For additional information contact:

Syracuse Technical Center
(315) 478-2323
(800) 255-7589 Outside NY

Water Treatment Chemicals
(973) 515-0900
(800) 631-8050 Customer Service

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