

THUNDER BAY CHEMICALS

LTD

1100 Kam Road, Thunder Bay, Ontario P7E 6T7
Phone (807) 622-3741 Fax (807) 622-7544



TECHNICAL DATA SHEET

ALUMINUM SULPHATE SOLID

Distributed by CCC

Contact us @ (905) 454-6900 or
info@ccc-group.com

General Characteristics

Chemical Formula	$\text{Al}_2(\text{SO}_4)_3 \cdot n \text{H}_2\text{O}$ N = Between 14 and 16 molecules of water
Appearance	White solid, ground
Bulk Density, loose	0.88 g/cc (55 lb/cu ft)
Bulk Density, packed	1.22 g/cc (76 lb/cu ft)
Cubic Capacity - piled bags	0.64 cu m/MT (25 cu ft/ST)

Parameters

	<u>Specification</u>	<u>Typical</u>
Aluminum - Total available as Al_2O_3	17.0% min	17.2%
Iron - Total as Fe_2O_3	--	0.01%
Insoluble materials	0.15% max	0.05%
Basicity - as Al_2O_3	0.15% min	0.4%

Size Distribution - Mesh Size

	<u>Specification</u>	<u>Typical</u>
on 4	nil	nil
Through 4 on 9	2%	10% max
Through 9 on 35	55%	--
Through 35 on 100	--	--
Through 100	--	--
Through 100 on 200	35%	--
Through 200	8%	12% max

Thunder Bay Chemicals Solid Aluminum Sulphate, available in ground form, finds major application in pulp and paper mills and water purification plants. It is also used in the treatment of leather, textiles, wallboard gypsum and as a component in fire-retardant agents.



Certified to
NSF/ANSI 60

Thunder Bay Chemicals Aluminum Sulphate Solid meets the American Water Works Association Standard Specification AWWA B403-03.

Thunder Bay Chemical has been NSF Certified since 1997. The maximum use dosage in drinking water is 150 mg/L according to NSF Standard 60.

Specifications apply to lot quantities. Quality analyses are carried out on representative samples of lot quantities.

Shipping

Thunder Bay Chemicals Aluminum Sulphate Solid is supplied in 44 lb bags on 2,200 lbs stretch wrapped pallets, 1 tonne minibulk bags, and bulk pneumatic trailers. Thunder Bay Chemicals Ground Aluminum Sulphate is normally shipped in 44,000 lb truckload quantities.