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Product Information Sheet | PIS | Aluminum Sulfate – Technical Grade



Product Identification

Product Name	Aluminum Sulfate
Chemical Name	Aluminum Sulfate
Synonym	Alum, Aluminum alum
Registrations	CAS-Nr. 7784-31-8(Hydrate) EC-Nr. 233-135-0 U.N. 8207
Appearance	White to brownish solid Yellow to brownish liquid

Packing

Size Solid	Granular standard, powder granular special grade (1-3) mm ; (1-12) mm Multiply kraft paper bag PE inner liner PP woven bag with PE inner liner PP jumbo / big bag with PE laminated
25 kg	
25 kg or 50 kg	
500 kg to 1000 kg net in	
Size Liquid	
10 - 20 ton	In tank car

Applications

- Water Purification
- Sewage Treatment
- Water Proofing Agent for concrete
- Sizing Paper and pH Control
- Clarifying Agent for Fats and Oil
- Deodorizer and Decolorizer in Petroleum Refinery Processes

Product Specifications		Granular			Powder	Liquid
		Standard	Special Grade			
		< 12 mm	(1-3) mm	(1-12) mm		
Particle Size	Unit %	< 12 mm 98% min	(1-3) mm 85% min	(1-12) mm 90% min	< 2 mm 98% min	
Bulk Density	g/cm ³	0.83-0.87	0.84-0.89	0.83-0.87	0.90-0.93	
Specific Gravity (20°C)	g/cm ³					1.3 min
Aluminum Oxide (Al ₂ O ₃)	%	17 min				8 min
Water insoluble Matter	%	0.5 max				0.25 max
Iron (Fe)	%	0.01 max				0.01 max
Heavy metal (as Pb)	%	0.0010 max				0.0010 max
Arsenic (As)	%	0.0002 max				0.0002 max
pH 1 % solution (solid)		3.0 min				
pH 2 % solution (liquid)						3.0 min

Testing method:

- Singapore Standard 36 : 1971
- SNI 0032-2011 - Solid & liquid