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Product Information Sheet | PIS | Aluminum Sulfate – Technical Grade



Product Identification

Product Name
Chemical Name
Synonym
Registrations

Aluminum Sulfate
Aluminum Sulfate
Alum, Aluminum alum
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

25 kg
25 kg or 50 kg
500 kg to 1000 kg net in

Size Liquid

10 - 20 ton

Granular standard, powder
granular special grade (1-3) mm ; (1-12) mm
Multiply kraft paper bag PE inner linner
PP woven bag with PE inner liner
PP jumbo / big bag with PE laminated

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
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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