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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
White to brownish solid
Yellow to brownish liquid

Appearance

Packing

Size solid

granular standard, powder
granular special grade (1-3) mm ; (1-12) mm

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

Multiply kraft paper bag PE inner liner
pp woven bag with PE inner liner
PP jumbo / big bag with PE laminated

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						Liquid
		Granular			Powder	
		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