PRODUCT SPECIFICATION

Product Name: ALUMINIUM SULFATE 14-hydrate Granular TG

Alternate Name(s) Alum; aluminum trisulfate; cake alum; patent alum; aluminium sulfate octadecahydrate.

Description
Free flowing, white granules. Sweet taste.

Properties

Chemical Formula: $Al_2(SO_4)_3.14H_2O$

Molecular Weight: 594.02

General Information:

Insoluble in alcohol. Incompatible with water, strong bases and strong oxidising agents. Corrosive to metals if in contact with moisture. Potential for accumulation upon ingestion. Non combustible.

Product Code: AT038

CAS No. 17927-65-0

Hazard and Safety Data

UN Group: None Allocated
Class: None Allocated
UN Number: None Allocated
Hazchem code: None Allocated
CS MSDS Code: 1CH0R
Poison schedule: Not Scheduled
Emergency Procedure Guide No.: N/A

Quality Specification

Assay: 17.3 % (Al2O3) min.

Specific Properties and Impurities [Typical levels]:

Total Sulfate	38.0%
SiO2	0.15%
Fe2O3	0.02%
Water Insoluble	0.2%
TiO2	<0.01%
Moisture	0.1%
Size	
Greater than 2.8mm	13.0%
2.0mm to 2.8mm	16.0%
1.4mm to 2.0mm	20.0%
1.0mm to 1.4mm	26.0%
0.71mm to 1.0	17.0%
0.5mm to 0.71mm	5.0%
Less than 0.25mm	3.0%
Melting Point (decomposition)	90 °C
Specific Gravity (at 25 °C)	1.62
Solubility in Water (@ 20 °C)	364 g/L
Decomposition Temp.	770 °C

Chem-Supply Pty Ltd - An ISO 9001:2000 Accredited Company

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