Product Specification

Product Name: ALUMINIUM SULFATE 18-Hydrate AR
Alternate Name(s): aluminum trisulfate

Description
White crystals; sweet taste. Stable in air.

Properties
Chemical Formula: $\text{Al}_2(\text{SO}_4)_3\cdot 18\text{H}_2\text{O}$
Molecular Weight: 666.42

General Information:
Insoluble in alcohol. Incompatible with water, strong bases and strong oxidising agents. Non combustible material. Reacts with water to produce corrosive sulfuric acid.

Quality Specification
Assay: 98.0 - 102.0%

Specific Properties and Impurities (Typical levels):
- Insoluble matter ≤ 0.01%
- Chloride ≤ 0.005%
- Iron ≤ 0.002%
- Heavy metals (as Pb) ≤ 0.001%
- Magnesium ≤ 0.002%
- Potassium ≤ 0.005%
- Sodium ≤ 0.02%
- Calcium ≤ 0.01%
- Melting point 90 °C (decomposition)
- Specific Gravity 1.62 at 25 °C
- Solubility in water 364 g/L @ 20 °C
- pH Value 2.5-4.0 (20 g/1, H2O, 20 °C)

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

CONFORMS TO ACS

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.