

Product Specification Sheet



Product: Alum Sulphate

Conventional coagulation–flocculation-sedimentation practices are essential pretreatments for many water purification systems—especially filtration treatments. These processes agglomerate suspended solids together into larger bodies so that physical filtration processes can more easily remove them. Particulate removal by these methods makes later filtering processes far more effective. The process is often followed by gravity separation (sedimentation or flotation) and is always followed by filtration. Our alum based inorganic coagulant, , is added to source water to facilitate bonding among particulates. Coagulants work by creating a chemical reaction and eliminating the negative charges that cause particles to repel each other. The coagulant-source water mixture is then slowly stirred in a process known as flocculation. This water churning induces particles to collide and clump together into larger and more easily removable clots, or “flocs.” The process requires chemical knowledge of source water characteristics to ensure that an effective coagulant mix is employed. Improper coagulants make these treatment methods ineffective. The ultimate effectiveness of coagulation/flocculation is also determined by the efficiency of the filtering process with which it is paired

PRODUCT SPECIFICATION

Property Description	Property Value/Quality
Appearance/ Colour	White Powder
Water Soluble Aluminum Sulphate as AL2O3 % by mass	16%
Iron as Fe2O3 % by mass	0.02%max
Water insoluble matter present	0.5%
Arsenic as AS2O3 present by mass	0.001%
Sulphuric Acid H2SO4 present by mass	Absent

* other details as well as MSDS available on request.

DISTRIBUTION

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CERTIFICATION / APPROVAL

ISO 9001 : 2000 Approved

DOSING

Dosing is dependant on individual requirement. Though we can assist in dosage requirement, given correct information.

HANDLING / SAFETY

The handling of any chemical requires care. Anyone responsible for using or handling Alum sulphate should familiarize themselves with the full safety precautions outlined in our Material Safety Data Sheet. Avoid spilling.

STORAGE

Store in a dry, cool well ventilated area
As this product is Hygroscopic.

PACKAGING

packed in 50kgs or 1mt Jumbo Bags.

Please Note, we also supply a full range of Water treatment Chemicals, please visit our Web site @ www.owsupplies.biz for more details