

ALUMINUM SULFATE-IRON FREE

Further Product Name

Non Ferric Alum

Product Description

Aluminum Sulfate commercially known as Alum is white powder, having many industrial uses. There are many types of Alum, with Non-Ferric and Ferric Alum being the most commonly available.

Physical Properties

Appearance: White Crystalline Powder/ white Lumps
Taste: Sweetish taste
pH: Min. 2.8 (pH of 5% solution in water)
Solubility: Soluble in water

Chemical Properties:

Alumina content as Al ₂ O ₃ :	17%
Iron as (Fe):	Max. 0.1%
Insoluble Matter:	Max 0.3%
Heavy Metal as Pb	Max 15 ppm

Application

For sizing of paper
As a mordant in dyeing
Water Purification
Petroleum refinery
Effluent treatment
In fire fighting foams

Storage, Stability & Handling

Potential Health Effects

This material hydrolyzes in water to form sulfuric acid, which is responsible for the irritating effects given below.

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, Shortness of breath

Treatment: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. There have been two cases of fatal human poisonings from ingestion of 30 grams of alum.

Treatment: If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Handling: As the pH of Alum is low, it is advisable to use hand gloves when handling Alum.

Stability: In closed bags when stored in covered area, Alum is quite stable

Packing

Alum is available in 25 kgs / 50 Kgs polyethylene lined H.D.P.E. bags

Availability

Alum is available in 25kgs / 50 Kgs packing from:

Privi Pharma Pvt. Ltd.,
Privi House, A-71TTC Industrial Area,
Thane-Belapur Road, Kopar Khairane,
New Mumbai-400 709
India
Tel: 91-22-27783040 /48
Fax:91-22-2778 4049
E-Mail: sales@privipharma.com;privipharma@vsnl.com