

## **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 <sub>2</sub> O <sub>3</sub> :	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