

■ **PRODUCT DESCRIPTION SHEET** ■

NON FERRIC ALUM

Alum is essentially aluminium sulphate with the chemical formula $\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$ is slightly odorless, colorless monoclinic crystals. Iron free Alum (non Ferric Alum), generally made from Alumina. The Non Ferric Alum (Aluminium Sulphate) is used mainly in the pulp and paper industry and as a flocculating agent or coagulant in water. For sizing of paper, Alum should be free from Ferric ions or else the paper will be discolored.

PHYSICAL PROPERTIES

CAS No.	10043-01-3
Appearance	Solid (Crystalline solid)
pH (5% sol. /water)	3
Aluminium (As $\text{Al}_2\text{O}_3\%$)	16(+/- 1)
percentage by weight	
Soluble Iron compounds (max.)	0.01%

KEY BENEFIT

- It is the most versatile and easily used material for sizing paper with rosin.

APPLICATIONS

- Pharmaceutical Industry
- Water Purification
- Mordanting Industry
- Paper Industry

STORAGE AND HANDLING

Use dust tight containers. Prevent accumulation of dust Avoid generating dust. Use smallest possible amount in designated area with adequate ventilation. Keep containers closed when not in use.

PACKING

Material Available in the form of Liquid, Slab, Lumps or Powder.