

SHANGHAI MINTCHEM DEVELOPMENT CO., LTD

R602 4# 89 NONG MUDAN ROAD PUDONG SHANGHAI CHINA

Specification Sheet

Aluminum Fluoride

Physical Properties:

Formula	AlF ₃	Molecular Weight	83.98	CAS NO.	7784-18-1
U.N-NO	1759	Class	8	H.S-NO	28261200

Character:

White crystal or powder. Relative Density 2.882,25, hard to solve in water, acid and alkali solution, insoluble in most orgno solvents and insoluble in hydrofluoric acid and liquid hydrogen fluoride; it is quite stable. When heated, it does not decompose, but sublimate. Temperature of sublimation is 1,291°C. At 300-400°C, part of it will be hydrolyzed to hydrogen fluoride and aluminum chloride by vapor.

Chemical Parameters:

NO.	Technological Specification	Standard%
1	F	61.0%min
2	Al	31.5%min
3	Na	0.30%max
4	SiO ₂	0.10%max
5	Fe ₂ O ₃	0.06%max
6	SO ₄	0.10%max
7	P ₂ O ₅	0.03%max

APPLICATION: It is mainly used as fusing assistant in aluminium electrolysis.

PACKAGE: Packing in plastic weaved bag 25kg each.

Transportation: DG, Class 8, UN 1759

MANUFACTURER: SHANGHAI MINTCHEM DEVELOPMENT CO., LTD

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