



## FAIRSKY INDUSTRIAL CO., LIMITED

Tel: +86-312-6793216, +86-312-6793218

Fax: +86-312-3110089

Email: [fairskychem@yahoo.com.cn](mailto:fairskychem@yahoo.com.cn)

[fairsky.chem@yahoo.com.cn](mailto:fairsky.chem@yahoo.com.cn)

URL: <http://www.fairskyindustrial.com>

Add: Room2901, Parkway Court No.9,  
SwanRoad 98#, Baoding City Hebei  
China 071000

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### Aluminum Fluoride

**Formula:**  $\text{AlF}_3$

**CAS No:** 7784-18-1

**M.W:**83.98

**Properties:**The product is a white needle crystal powder. SP.GR.2.882-3.13g/cm<sup>3</sup>, sublimation temp. 1272°C .It's slightly soluble in water and greatly soluble in HF Liquid.The chemical property for the high density aluminium fluoride is very steady, but that contains certain crystal water will be decomposed into  $\text{Al}_2\text{O}_3$  at high temperature with HF being released.

**Specification :**

Index	Items
$\text{AlF}_3$	90.00%min.
Silica as $\text{SiO}_2$	0.20%max
Phosphorous as $\text{P}_2\text{O}_5$	0.02% max
Iron as $\text{Fe}_2\text{O}_3$	0.01%max
Loss on ignition at 550°C for 30Min.	0.80% max
Sulphate as $\text{SO}_3$	0.50% max
Sodium as $\text{Na}_2\text{O}$	0.50% max
Aluminum oxide as $\text{Al}_2\text{O}_3$	By difference
Sieve Analysis (BSS Mesh)	
Retained on 100mesh	10.00%max.
Passing through 325mesh	15.00%max.

**Application:** Soldering flux for Aluminum and its alloy; flux in glass and ceramic industries.

**Storage:** Store at a ventilating, and dry place, keep away from food.

**Packing:** 25kg net, plastic woven bags or fiber drum.