

ALPHA ENVIRONMENTAL	PRODUCT DATA SHEET PRODUCT CODE: AIF3
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ALUMINUM FLUORIDE POWDER ANHYDROUS (90%) - DRY PROCESS

CAS No. EINEC No. HS Code
7784-18-1

PHYSICAL DATA

Chemical Formula	AIF3
Appearance	White powder
Molecular Weight	84
Melting Point	2300 degrees F
Average Particle Size	-125 mesh (90% minimum passing through) (-100 mesh = 99%)
Specific Gravity	0.72 g/cc min
Solubility in Water	Slightly soluble (0.56 g/100 ml)

CHEMICAL SPECIFICATIONS (Typical Values)

Purity (as	
AIF3)	90% min
F	60% min
Al	30% min
SiO2	0.5% max
Fe2O3	0.1% max
Na	0.5% max
SO3	0.5% max
P2O5	0.04% max
H2O	1% max (typical 0.65%)

PACKING

40 kg poly-lined bags
25 bags per pallet (1000 kg per pallet)

USES

Fluoridation of water in water treatment
As a flux in primary aluminum smelting
In flux compositions used for removal of magnesium metal in Al-Mg alloys
As a glaze mixture and for body composition in ceramics industries
As a filler in glass industries

The information provided herein is believed to be reliable, however, no guarantees are made or liability assumed.

ALPHA ENVIRONMENTAL
10701 WILSHIRE BLVD., #1506,
Los Angeles, California 90024 (USA)
Tel: +1-714-595-3536 * Fax: +1-949-679-8524
alpha-environmental@usa.net