

## AMMONIUM BIFLUORIDE

### Application Notes:

**NuGenTec Inorganic Chemical Group (NICG)** Ammonium Bifluoride is the inorganic compound with the formula  $\text{NH}_4\text{HF}_2$ . It is also known as Ammonium hydrofluoride and ammonium acid fluoride. It is used as an etchant in metal and glass fabrication and electroplating in electronics and semiconductors. It is also used as an intermediate for HF production and serves as a useful lab reagent

### Typical Parameters:

Physical State & Appearance	White Hygroscopic Flakes
Molecular Formula	$\text{NH}_4\text{HF}_2$
Formula Weight	57.04



### Specifications:

CAS Number	1341-49-7
Density	1.5 g/cc
Melting Point	125 °C (decomposes)
Flash point	None
Solubility in water	41.5g in 100 g of water @ 25 °C
pH (5% solution)	3.5
Moisture	0.30% Max
Corrosive	Yes
$\text{NH}_4\text{HF}_2$	98.5% Min
Boiling Point	240 °C
Melting Point	124.6 °C

**Availability:** 25 Kg in HDPE Bags

**Shipment:** Freight classification: Class 8 Corrosive material, Ammonium Hydrogen Fluoride UN1727 PG II

**Storage** Keep in a tightly closed container. Store in a cool, dry, ventilated area.

<sup>(1)</sup>**Disposal:** Dispose of in accordance with local, state, & federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-Nugen or e-mail: [nicg@nugentec.com](mailto:nicg@nugentec.com).