

PRODUCT IDENTIFICATION



Product Name: Ammonium Bifluoride Flakes ACS Grade

CAS Number: 1341-49-7

Molecular Formula: F_2H_5N

Molecular Weight: 57.044 g/mol

Grade: ACS Grade

Purity / Concentration: Not Available

Synonyms: Not Available

PRODUCT OVERVIEW

Ammonium Bifluoride Flakes, ACS Grade, is a high-purity chemical compound utilized primarily for precise industrial and laboratory applications. These white crystalline flakes are characterized by their consistent quality and are essential for processes requiring strict adherence to analytical standards.

Grade Significance: ACS Grade signifies that the product meets or exceeds the high-purity standards set by the American Chemical Society, ensuring reliability for sensitive analytical and technical procedures.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	White crystalline flakes	Form	Solid
Boiling Point	463.1 °F at 760 mmHg (Decomposes at 463.1 °F) (USCG, 1999)	Melting / Freezing Point	258 °F (USCG, 1999)
Specific Gravity	1.5	Solubility	Highly soluble in water
Molecular Formula	F_2H_5N	Molecular Weight	57.044 g/mol

APPLICATIONS

- Glass Etching** — Used as a frosting agent for glass surfaces, this chemical creates a smooth, uniform matte finish on decorative and industrial glassware.
- Oil and Gas** — Functions as a key component in acidizing treatments to dissolve silica-based materials and enhance well productivity.
- Metal Finishing** — Applied in the cleaning and pickling of aluminum and other metals to remove surface oxidation and prepare materials for coating.
- Laboratory Research** — Serves as a reliable reagent for analytical chemistry procedures that demand high-purity chemical inputs.
- Textile Industry** — Utilized in specialized laundry and textile processing to act as a souring agent for neutralizing alkaline residues.

STORAGE & HANDLING

Proper storage is critical because Ammonium Bifluoride is toxic if swallowed and causes severe skin burns and eye damage. It must be kept in a cool, dry, well-ventilated area in tightly sealed containers to prevent moisture absorption and accidental exposure to hazardous conditions.

AVAILABLE PACKAGING

- Flakes

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: Danger



Hazard Statements:

- H301: Toxic if swallowed [Danger Acute toxicity, oral]
- H314: Causes severe skin burns and eye damage [Danger Skin corrosion/irritation]

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

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