



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

Ammonium Bifluoride

1. Product Identification

Trade name : Ammonium Bifluoride

Product code : 30169

Identification of the product : Ammonium Bifluoride

CAS No : 1341-49-7

EC No : 215-676-4

2. Composition and Information on Ingredients

Ammonium Bifluoride CAS No : 1341-49-7 Substance.

Substance name	Contents	CAS No	EC No
Ammonium bifluoride	100 %	1341-49-7	215-676-4

Contains no other components or impurities which will influence the classification of the product

3. Hazards Identification

Hazard statements : H 314: Corrosive
H 301: Toxic if swallowed.

Precautionary statements

- General : P102: Keep out of reach of children.
P103: Read label before use.
P101: If medical advice is needed, have product container or label at hand.
- Prevention : P280: Wear protective gloves, protective clothing, eye protection, face protection.
P260: Do not breathe dust, fume, gas, mist, vapours, spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
- Response : P301+P330+P331: If Swallowed Rinse mouth.
Do not induce vomiting.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all Contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
- Storage : P405: Store locked up.
- Disposal considerations: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance



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4. First Aid Measures

- Inhalation : Immediately call a doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact : Immediately call a doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.
- Eye contact : Immediately call a doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion : Do not induce vomiting. Immediately call a doctor. Rinse mouth.
- Symptoms relating to use : Corrosive
- General information : Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

- Fire : Not considered to be a fire hazard.
- Explosion : Not considered to be an explosion hazard.
- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.
- Surrounding fires : Use water spray or fog for cooling exposed containers.
- Hazardous combustion product : Under fire conditions, hazardous fumes will be present.
- Thermal decomposition generate : Corrosive vapours.
- Protection against fire : Do not enter fire area without proper protective equipment, including Respiratory protection.
- Special procedures : Avoid (reject) fire-fighting water to enter environment.

6. Accidental Release Measures

- For emergency responders : Equip cleanup crew with proper protection. Ventilate area.
- For non-emergency personnel : Evacuate unnecessary personnel.
- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
- Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
- Reference to other sections : See section 8. Exposure controls/personal protection

7. Handling and Storage

- Handling : Wash thoroughly after handling. Wash contaminated clothing before reuse. Do not breathe dust, fume, gas, mist, vapours, spray. Do not eat, drink or smoke when using this product.
- Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.
- Storage : Keep only in the original container in a cool, well ventilated place. Keep Container closed when not in use.
- Storage regulation : Comply with applicable regulations.
- Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.



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8. Exposure Controls/Personal Protection

Exposure controls

Personal protection : Avoid all unnecessary exposure.

- Respiratory protection : Wear approved mask.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Others : When using, do not eat, drink or smoke.

Occupational Exposure Limits : No data available

9: Physical and Chemical Properties

Physical state at 20°C	: Powder
Colour	: White Crystalline
Odour	: Odorless
Odour threshold	: No data available.
pH value	: 3.5 (5% Solution)
Melting point [°C]	: 125 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: 1.5
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 41.5g/100 g Water @
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 3.5 (5% Solution)

10: Stability and Reactivity Data

Reactivity	: Not established.
Chemical stability	: Stable under recommended storage conditions.
Hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
Materials to avoid	: Strong acids. Strong bases.
Hazardous decomposition	: Fumes. Carbon monoxide. Carbon dioxide.
Products	
Thermal decomposition generates:	Corrosive vapours.

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



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11: Toxicological Information

Acute toxicity

- Inhalation : Based on available data, the classification criteria are not met.
- Dermal : Based on available data, the classification criteria are not met.
- Ingestion : Toxic if swallowed

Corrosion

: Corrosive , causes serious eye damage

Irritation

: Based on available data, the classification criteria are not met.

Sensitization

: Based on available data, the classification criteria are not met.

Mutagenicity

: Based on available data, the classification criteria are not met.

Carcinogenicity

: Based on available data, the classification criteria are not met.

Toxic for reproduction

: Based on available data, the classification criteria are not met.

STOT-single exposure

: Based on available data, the classification criteria are not met.

STOT-repeated exposure

: Based on available data, the classification criteria are not met.

Aspiration hazard

: Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity information

: Not Established

Persistence - degradability

: Biodegradable.

Bioaccumulative potential

: Not established.

Mobility in soil

: Not established.

Results of PBT and

: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance

vPvB assessment

Environmental precautions

: Avoid release to the environment.

13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Proper Shipping Name

: Ammonium bifluoride

Hazard Class

: 8

Packing Group

: II

UN/NA

: UN1727

15. Regulatory Information

Safety, health and environmental: Ensure all national/local regulations are observed.
regulations/legislation specific
for the substance or mixture

Chemical Safety Assessment : It has not been carried out.

16. Other Information

Product Use

: Laboratory Reagent/ Industrial. For professional use only

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