

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Initial preparation date: : 11.05.2014**Ammonium Bifluoride Tech Grade****SECTION 1: Identification of the substance/mixture and of the supplier****Product name:** Ammonium Bifluoride Tech Grade**Manufacturer/Supplier Article number:** AB2000**Recommended uses of the product and restrictions on use:** Laboratory**Manufacturer Details:**

AquaPhoenix Scientific, Inc.
860 Gitts Run Road
Hanover, PA 17331
1-717-632-1291

Emergency telephone number:**ChemTel: (24-hour)**

+1(800)255-3924

+1(813)248-0585 (International)

SECTION 2: Hazards identification**Classification of the substance or mixture:****Corrosive**

Acute toxicity (oral, dermal, inhalation), category 3

Skin corrosion, category 1B

Serious eye damage, category 1

AcTox. Oral 3.

Skin Corr. 1B.

Eye Damage 1.

Signal word: Danger**Hazard statements:**

Toxic if swallowed.

Causes severe skin burns and eye damage.

Precautionary statements:

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Store locked up.

Dispose of contents and container to an approved waste disposal plant.

Other Non-GHS Classification: None

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| Ingredients: | | |
|---------------------------|--------------------------------------|-------|
| CAS 1341-49-7 | Ammonium Bifluoride, Technical Grade | 100 % |
| Percentages are by weight | | |

SECTION 4: First aid measures**Description of first aid measures****After inhalation:**

Seek medical assistance.

After skin contact:

Immediately remove contaminated clothing and shoes. Take victim immediately to hospital.

After eye contact:

Immediately seek medical attention. Continue rinsing eyes during transport to hospital.

After swallowing:

Seek medical assistance.

Most important symptoms and effects, both acute and delayed:

1341-49-7: Bone damage fluorosis substances for which there is a BEI® section.

Indication of any immediate medical attention and special treatment needed: None**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing agents:** None**Unsuitable extinguishing agents:** None**Special hazards arising from the substance or mixture:** None**Advice for firefighters:****Protective equipment:** None**Additional information (precautions):**

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Avoid formation of dust and aerosols.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures:** None**Environmental precautions:** None**Methods and material for containment and cleaning up:**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Safely prevent leakage or spillage from entering drains.

Reference to other sections: None**SECTION 7: Handling and storage****Precautions for safe handling:** None**Conditions for safe storage, including any incompatibilities:** None**SECTION 8: Exposure controls/personal protection**

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| Control parameters: | 1341-49-7, Ammonium bifluoride, TWA 2.500000 mg/m ³ USA. (OSHA). 1341-49-7, Ammonium bifluoride, TWA 2.500000 mg/m ³ USA. ACGIH. 1341-49-7, Ammonium bifluoride, BEI: Fluoride 3.0000 mg/g Urine ACGIH (Prior to shift 16 hours after exposure ceases). 1341-49-7, Ammonium bifluoride, Ammonium bifluoride BEI: Fluoride 10.0000 mg/g Urine ACGIH (End of shift (As soon as after exposure ceases)). |
| Appropriate engineering controls: | None |
| Respiratory protection: | None |
| Protection of skin: | Select protective clothing according to the chemical hazards. |
| Eye protection: | Tightly fitting safety goggles. Face shield (8-inch minimum). |
| General hygienic measures: | None |

SECTION 9: Physical and chemical properties

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| Appearance (physical state, color): | White crystals | Explosion limit lower: | Not determined |
| | | Explosion limit upper: | Not determined |
| Odor: | Odorless | Vapor pressure at 20°C: | Not determined |
| Odor threshold: | Not determined | Vapor density: | Not determined |
| pH-value: | Not determined | Relative density: | 1.500 g/cm ³ |
| Melting/Freezing point: | 125 °C (257 °F) - | Solubilities: | Material is water soluble. |
| Boiling point/Boiling range: | Not determined | Partition coefficient (n-octanol/water): | Not determined |
| Flash point (closed cup): | Not determined | Auto/Self-ignition temperature: | Not determined |
| Evaporation rate: | Not determined | Decomposition temperature: | Not determined |
| Flammability (solid, gaseous): | Not determined | Viscosity: | a. Kinematic: Not determined b. Dynamic: Not determined |
| Density at 20°C: | Not determined | | |

SECTION 10: Stability and reactivity

Reactivity: None
Chemical stability: None
Possible hazardous reactions: None
Conditions to avoid: None
Incompatible materials:
 Strong oxidizing agents.
Hazardous decomposition products:
 Nitrogen oxides. Hydrogen fluoride.

SECTION 11: Toxicological information

Acute Toxicity: No additional information.
Chronic Toxicity: No additional information.
Skin corrosion/irritation: No additional information.
Serious eye damage/irritation: No additional information.
Respiratory or skin sensitization: No additional information.
Carcinogenicity: No additional information.

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No additional information.

SECTION 12: Ecological information**Ecotoxicity:** No additional information.**Persistence and degradability:** No additional information.**Bioaccumulative potential:** No additional information.**Mobility in soil:** No additional information.**Other adverse effects:** No additional information.**SECTION 13: Disposal considerations****Waste disposal recommendations:**

None

SECTION 14: Transport information**US DOT****UN Number:**

ADR, ADN, DOT, IMDG, IATA

1727

Limited Quantity Exception:

None

Bulk:**RQ (if applicable):** None**Proper shipping Name:** Ammonium hydrogendifluoride, solid.**Hazard Class:** 8**Packing Group:** II.**Marine Pollutant (if applicable):** No additional information.**Comments:** None**Non Bulk:****RQ (if applicable):** None**Proper shipping Name:** Ammonium hydrogendifluoride, solid.**Hazard Class:** 8**Packing Group:** II.**Marine Pollutant (if applicable):** No additional information.**Comments:** None**SECTION 15: Regulatory information****United States (USA)****SARA Section 311/312 (Specific toxic chemical listings):**

Acute

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

RCRA (hazardous waste code):

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None of the ingredients are listed.

TSCA (Toxic Substances Control Act) :

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

1341-49-7 Ammonium bifluoride 5000 lbs.

Proposition 65 (California):**Chemicals known to cause cancer:**

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Canada**Canadian Domestic Substances List (DSL) :**

All ingredients are listed.

SECTION 16: Other information

This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 3-0-0**HMIS:** 3-0-0**GHS Full Text Phrases:** None**Abbreviations and Acronyms:** None