

1. Product and Company Identification

Product Code:	225	
Product Name:	Aluminum Brightener	
Company Name:	Sunbelt Laboratories P.O. BOX 1563 Stafford, TX 77497	Phone Number: (281)261-4747
Web site address:	www.sunbelt-labs.com	
Emergency Contact:	CHEM-TEL	(800)255-3924

2. Hazards Identification

Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word:	Danger
GHS Hazard Phrases:	Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled.
GHS Precautionary Phrases:	Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases:	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. 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. 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. Specific treatment see ... on this label. Rinse mouth. Wash contaminated clothing before reuse.
GHS Storage and Disposal Phrases:	Store locked up. Dispose of contents/container to ...
OSHA Regulatory Status:	This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):	Risk of serious damage to eyes.
Inhalation:	Harmful if inhaled.
Skin Contact:	Corrosive, causes skin burning. Contact with substance may cause severe burns to skin and eyes.
Eye Contact:	Eye damage may be delayed. Eyes: Causes eye irritation.
Ingestion:	Ingestion of large quantities may cause appreciable systemic toxicity involving blood chemistry changes due to chelation properties. Ingestion or contact (skin, eyes) with substance may cause severe injury or burns.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
1341-49-7	Ammonium bifluoride	1.0 -5.0 %	
61789-40-0	Cocamidopropyl betaine	< 1.0 %	
127087-87-0	Ethoxylated Nonylphenol	< 1.0 %	
7647-01-0	Hydrochloric acid	30.0 -41.0 %	
68025-51-4	Phosphate ester	< 1.0 %	

4. First Aid Measures

Emergency and First Aid Procedures:	Consult a physician. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
In Case of Inhalation:	If breathed in, move person into fresh air.
In Case of Skin Contact:	Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse. Keep victim under observation. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention/advice if you feel unwell.
In Case of Eye Contact:	If eye irritation persists, get medical advice/attention. Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
In Case of Ingestion:	If exposed or concerned: Call a POISON CENTER/Doctor/... If swallowed, do NOT induce vomiting. If swallowed, wash out mouth with water provided person is conscious. Get medical attention/advice if you feel unwell.
Signs and Symptoms Of Exposure:	The most important known symptoms and effects are described in the labelling (see section 2 .2) and/or in section 11
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	NE
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	NE
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Unsuitable Extinguishing Media:	Use agent most appropriate to extinguish fire.
Fire Fighting Instructions:	Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.
Flammable Properties and Hazards:	No data available.
Hazardous Combustion Products:	oxides of phosphorus, irritating and toxic fumes and gases, ammonia and/or derivatives.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Wear appropriate gloves to prevent skin exposure. Wear appropriate protective clothing to minimize contact with skin. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Steps To Be Taken In Case Material Is Released Or Spilled: Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift.

7. Handling and Storage

Precautions To Be Taken in Handling: Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

Precautions To Be Taken in Storing: Handle and open container with care. Keep away from heat, sparks and flame. Keep away from metals. Keep away from strong bases.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1341-49-7	Ammonium bifluoride	No data.	No data.	No data.
61789-40-0	Cocamidopropyl betaine	No data.	No data.	No data.
127087-87-0	Ethoxylated Nonylphenol	No data.	No data.	No data.
7647-01-0	Hydrochloric acid	CEIL: 5 ppm	CEIL: 2 ppm	No data.
68025-51-4	Phosphate ester	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Eye Protection: Safety glasses.

Protective Gloves: Handle with gloves.

Other Protective Clothing: No data available.

Engineering Controls (Ventilation etc.): No data available.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Reddish. Clear. Acid-like.

pH: 1.5

Melting Point: NE

Boiling Point: > 212.00 F (100.0 C)

Flash Pt: NE

Evaporation Rate: NE

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): NE

Vapor Density (vs. Air = 1): NE

Specific Gravity (Water = 1): 1.05 at 77.0 F (25.0 C)
Solubility in Water: Soluble
Octanol/Water Partition Coefficient: No data.
Percent Volatile: 80.0 % by volume.
Autoignition Pt: NE
Decomposition Temperature: No data.
Viscosity: No data.
Corrosion Rate: NE

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Excess heat, Strong bases.
Incompatibility - Materials To Avoid: Reacts with most common metals to produce hydrogen gas. Strong bases, Strong oxidizing agents.
Hazardous Decomposition or Byproducts: hydrogen fluoride gas. oxides of phosphorus, Sodium oxides.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: Product will not undergo polymerization.

11. Toxicological Information

Toxicological Information: No data available.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1341-49-7	Ammonium bifluoride	n.a.	n.a.	n.a.	n.a.
61789-40-0	Cocamidopropyl betaine	n.a.	n.a.	n.a.	n.a.
127087-87-0	Ethoxylated Nonylphenol	n.a.	n.a.	n.a.	n.a.
7647-01-0	Hydrochloric acid	n.a.	3	A4	n.a.
68025-51-4	Phosphate ester	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Other: No information available. Physical: No information available. Do not discharge directly into the environment or into the sewer system.

13. Disposal Considerations

Waste Disposal Method: No data available.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Compounds, cleaning liquid. Contains Hydrofluoric Acid. (Ammonium bifluoride, Hydrochloric acid)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: NA1760

Packing Group: II





SAFETY DATA SHEET

Aluminum Brightener

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Contains Hydrofluoric Acid.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1341-49-7	Ammonium bifluoride	No	Yes NA	No
61789-40-0	Cocamidopropyl betaine	No	No	No
127087-87-0	Ethoxylated Nonylphenol	No	No	No
7647-01-0	Hydrochloric acid	Yes 500 LB	Yes NA	Yes
68025-51-4	Phosphate ester	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explosive
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Flammable (gases, aerosols, liquid, or solid)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oxidizer (liquid, solid or gas)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-reactive
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric (liquid or solid)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric gas
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-heating
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrosive to metal
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas under pressure (compressed gas)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In contact with water emits flammable gas
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Combustible Dust
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Physical) Hazard Not Otherwise Classified (HNOC)
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute toxicity (any route of exposure)
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Skin Corrosion or Irritation
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1341-49-7	Ammonium bifluoride	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No
61789-40-0	Cocamidopropyl betaine	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No
127087-87-0	Ethoxylated Nonylphenol	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory, 8A PAIR CA PROP.65: No
7647-01-0	Hydrochloric acid	CAA HAP,ODC: HAP: NvHAP CWA NPDES: No

		TSCA: Yes - Inventory CA PROP.65: No
68025-51-4	Phosphate ester	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No

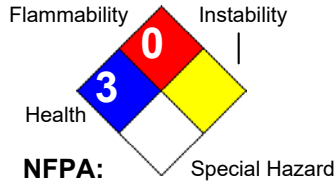
16. Other Information

Revision Date: 05/26/2021

Hazard Rating System:

HEALTH		3
FLAMMABILITY		0
REACTIVITY		1
PPE		

HMIS:



Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. There is no assumption of liability for accuracy contained within this information. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.