

## 1. Product and Company Identification

**Product Code:** 02094  
**Product Name:** Aluminum Brightener  
**Company Name:** Genlabs **Phone Number:** 1 (909)591-8451  
 5568 Schaefer Ave.  
 Chino, CA 91710  
**Web site address:** www.genlabscorp.com  
**Emergency Contact:** Chemtrec 1 (800)424-9300  
**Recommended Use:** Hard Surface Cleaner  
**Intended Use:** For sale to, use and storage by service persons only.

## 2. Hazards Identification

**Acute Toxicity: Oral, Category 3**  
**Skin Corrosion/Irritation, Category 1B**



**GHS Signal Word:** **Danger**  
**GHS Hazard Phrases:** Toxic if swallowed.  
 Causes severe skin burns and eye damage.  
**GHS Precaution Phrases:** Keep out of reach of children.  
 Do not eat, drink or smoke when using this product.  
 Wash hands thoroughly after handling.  
 Wear protective gloves, protective clothing, eye protection, face protection.  
**GHS Response Phrases:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Get immediate medical advice/attention.  
 If swallowed: Rinse mouth. Do NOT induce vomiting.  
 Immediately call a POISON CENTER or doctor/physician.  
 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 If on skin (or in hair): Wash with plenty of soap and water. If skin irritation occurs, get medical attention immediately.  
**GHS Storage and Disposal Phrases:** Store locked up.  
 Store in cool dry place at room temperature away from direct sunlight.  
 Dispose of contents and container according to the local, city, state and federal regulations.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** Causes chemical burns to the respiratory tract.  
**Skin Contact:** Causes skin burns. Contact with liquid is corrosive and causes severe burns and ulceration. May penetrate the skin and cause severe tissue and bone destruction.  
**Eye Contact:** Causes eye burns. May cause chemical conjunctivitis and corneal damage.  
**Ingestion:** May be fatal if swallowed and enters airways. Causes gastrointestinal tract burns. May cause severe and permanent damage to the digestive tract.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid	Proprietary
1341-49-7	Ammonium bifluoride	Proprietary

### 4. First Aid Measures

**Emergency and First Aid**

**Procedures:**

- In Case of Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).
- In Case of Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.
- Note to Physician:** Treat symptomatically and supportively.

### 5. Fire Fighting Measures

- Flash Pt:** NP
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** NP
- Suitable Extinguishing Media:** Use foam, dry chemical, or carbon dioxide.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.
- Flammable Properties and Hazards:** No data available.

### 6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

### 7. Handling and Storage

- Precautions To Be Taken in Handling:** Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Wash thoroughly after handling. Minimize dust generation and accumulation. Keep container tightly closed. Discard contaminated shoes. Use only with adequate ventilation.
- Precautions To Be Taken in Storing:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.
1341-49-7	Ammonium bifluoride	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** Always use a NIOSH approved respirator when necessary.

**Eye Protection:** Safety glasses with side-shields conforming to EN166.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** Amber colored liquid with bland fragrance.

**Melting Point:** NE

**Boiling Point:** >= 212.00 F

**Decomposition Temperature:** NE

**Autoignition Pt:** NP

**Flash Pt:** NP

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

**Specific Gravity (Water = 1):** ~ 1.090

**Density:** ~ 9.10 LB/GA

**Bulk density:** NE

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

**Vapor Density (vs. Air = 1):** NE

**Evaporation Rate:** NE

**Solubility in Water:** 100%

**Saturated Vapor Concentration:** NE

**Viscosity:** NP

**pH:** < 1.00

**Percent Volatile:** No data.

**VOC / Volume:** 0.0000 G/L

**Particle Size:** NE  
**Heat Value:** NE  
**Corrosion Rate:** NE

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Incompatible materials, Metals. Excess heat, dust generation, Moisture.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Reacts with most common metals to produce hydrogen gas. Is corrosive to many materials including leather, rubber, and many organics. acids, Bases.

**Hazardous Decomposition Or Byproducts:** Phosphine, oxides of phosphorus, hydrogen gas. hydrogen fluoride gas. ammonia and/or derivatives.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. Toxicological Information

**Toxicological Information:** No data available.

**Carcinogenicity/Other Information:** CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1341-49-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid	n.a.	n.a.	n.a.	n.a.
1341-49-7	Ammonium bifluoride	n.a.	n.a.	n.a.	n.a.

### 12. Ecological Information

No data available.

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents and container according to the local, city, state and federal regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Quart and one gallon: Limited Quantity.  
UN2817, Ammonium Hydrogendifluoride Solution, 8, II.

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN2817 **Packing Group:** II

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** UN2817, Ammonium Hydrogendifluoride Solution, 8, II.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** UN2817, Ammonium Hydrogendifluoride Solution, 8, II.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** UN2817, Ammonium Hydrogendifluoride Solution, 8, II.

### 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)
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No
1341-49-7	Ammonium bifluoride	No	Yes 100 LB	No

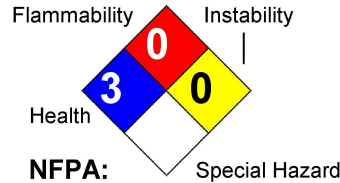
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
1341-49-7	Ammonium bifluoride	CA PROP.65: No; CA TAC, Title 8: Title 8

### 16. Other Information

**Hazard Rating System:**

<b>HEALTH</b>	3
<b>FLAMMABILITY</b>	0
<b>PHYSICAL</b>	0
<b>PPE</b>	D

**HMIS:**



**Revision Date:** 06/18/2018

**Additional Information About This Product:** No data available.

**Company Policy or Disclaimer:**

The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.