

# ABC CORPORATION

94-085 Leonui Street, Waipahu HI 96797; 808-671-2671

## MATERIAL SAFETY DATA SHEET

For Emergency Call CHEMTREC 1-800-424-9300

Prepared 5/7/1999 – Rev 4/3/2000

### SECTION 1 : IDENTIFICATION

**PRODUCT NAME**

**APPLICATION**

**SHIPPING DESCRIPTION**

**ALUM BRITE PLUS**

Aluminum Brightener

Corrosive Liquids, toxic, n.o.s. (contains Ammonium Hydrogen Bifluoride, phosphoric acid), 8, UN 2922, PGIII

### Component Information

**Principal Hazard Components**

**CAS No.**

**WT (%)**

**PEL/TLV**

Ammonium Bifluoride

1341-49-7

4-10

2.5/2.5 mg/m3

Phosphoric acid

7664-38-2

2-7

1/1 mg/m3

### SARA Title III Section 313 and 40 CFR Notification

Phosphoric acid is regulated under SARA Title III (release reporting) and TSCA chemical inventory.

### SECTION 2: PHYSICAL DATA

**Boiling Point (?F):** >212°F

**Appearance/Odor:** Green Liquid/no fragrance

**Vapor Pressure (mm Hg):** NE

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

**pH:** 4.3

**Percent Volatile:** NE

**Specific Gravity (Water = 1):** 1.02

**Evaporation Rate (Butylacetate = 1):** NE

**Solubility in Water:** complete

### SECTION 3: FIRE AND EXPLOSION HAZARD DATA

**Flash Point (?F):** >200°F

**Lower Explosive Limit:** NE

**Upper Explosive Limit:** NE

**Extinguishing Media:** For small fires use carbon dioxide or dry chemical. For large fires, spray on foam and/or water fog.

**Special Fire Fighting Procedures:** Fire fighters should use self-contained breathing apparatus and protective clothing.

**Unusual Fire and Explosion Hazards:** None known to ABC Corporation.

**NFPA Ratings**

Health = 2

0= None

1= Mild

Flammability = 0

2= Moderate

3= High

Reactivity = 1

4= Extreme

Specific Hazard = 3 (acid)

### SECTION 4: REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** Alkali, ammonia, & certain metals.

**Hazardous Decomposition Products/Polymerization:** Carbon dioxide, carbon monoxide, fluorides, hydrogen gas, hydrogen fluoride. Hazardous polymerization will not occur.

**Conditions to Avoid:** Strong alkalis, oxidizing agents, excessive heat. Reaction with common metals may generate hydrogen gas, a fire and explosion hazard.

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## **SECTION 5: HEALTH HAZARD DATA**

### **Effects of overexposure:**

**Eyes:** Contact with eyes may cause corneal damage and blindness.

**Skin:** Corrosive to skin. May cause burns or dryness if allowed to remain on skin for prolonged periods.

**Inhalation:** May cause irritation of respiratory tract if inhaled for prolonged periods.

**Ingestion:** Ammonium Bifluoride solution may be toxic. Will irritate gastrointestinal tract. Contact physician if ingested.

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## **SECTION 6: FIRST AID**

**Eyes:** Immediately flush eyes with running water for at least 5 minutes. Hold eyelids apart to ensure the rinsing of the entire surface of the eyes and eyelids with water. Get immediate medical attention.

**Skin:** Wash affected areas with plenty of water, and soap if available, for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air. Seek medical attention respiratory irritation develops or if breathing becomes difficult.

**Ingestion:** If ingested, give 3-4 glasses of water; but, **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. **DO NOT** give anything to an unconscious or convulsing person.

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## **SECTION 7: SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Not required.

**Protective Gloves:** Wear rubber gloves at all times.

**Eye Protection:** Where eye contact may be a problem, wear goggles.

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## **SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

**Handling and Storage:** Use good personal hygiene practice. Avoid contact with eyes, skin, or clothing. Wash contaminated clothing and equipment before reuse.

**Release or Spill:** Before attempting clean up refer to Hazard Data above. Use mop or wet vacuum to collect material for proper disposal. Rinse area with water,

**Waste Disposal:** Dispose to conform with federal, state and local regulations.

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves the product in combination with any other process is the responsibility of the user.*