



G.H.BERLIN WINDWARD  
 Division of Booth Waltz Enterprise, Inc.  
 42 Rumsey Road East Hartford, CT 06108 Phone 860-289-7800

## Safety Data Sheet

# ALUMI-BRITE

### Section 1. Identification

**Product Use:** ACIDIC METAL CLEANER AND BRIGHTENER  
**Date Issue:** 5/27/15 **Supersedes:** 3/8/15

**Emergency Telephone Numbers:** INFOTRAC 1-800-535-5053  
**Prepared By:** Chem Quest, Inc.  
**Website:** [www.chem-quest.com](http://www.chem-quest.com)  
**E-mail:** [chemquest@roadrunner.com](mailto:chemquest@roadrunner.com)

### Section 2. Hazard(s) identification

HMIS Hazard Rating

0 = Insignificant

1 = Slight

2 = Moderate

3 = High

4 = Extreme

<b>HEALTH</b>	<b>3</b>	<b>FLAMMABILITY</b>	<b>0</b>	<b>REACTIVITY</b>	<b>0</b>	<b>SPECIFIC HAZ.</b>	<b>0</b>
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### Emergency overview



**Signal Word:** WARNING  
 CAUSES SEVERE EYE IRRITATION, CORROSIVE TO SKIN

### \*Hazard Determination System (HDS): Health, Flammability, Reactivity

#### Acute Effects

#### Routes of Entry

Dermal contact. Eye or skin contact.

**Eyes** Liquid or mist will cause severe irritation of eyes and eye lids possibly resulting in prolonged or permanent visual defects or total destruction of the eyes.

**Skin** May result in very painful, slow healing burns which may not be immediately apparent.

**Inhalation** Vapor is extremely irritating to all parts of the respiratory tract. Severe exposure will lead to rapid inflammation and congestion of the lungs.

**Ingestion** Mixture will immediately cause severe irritation of the esophagus and the stomach. This will also be accompanied by severe irritation of the respiratory system.

**NOTE:** SDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

**Chronic effects** Prolonged or repeated contact may dry skin and cause irritation.

**Additional Information: See Toxicological Information (Section 11)**

### Section 3. Composition/Information on Ingredients

INGREDIENTS	CAS NUMBER	PERCENT	OSHA PEL	ACGIH T LV
HYDROCHLORIC ACID	7647-01-0	<15%	5 PPM	5 PPM
PHOSPHORIC ACID	7664-38-2	<10%	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
AMMONIUM BIFLUORIDE	1341-49-7	<5%	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>

### Section 4. First Aid Measures

**SPEED IN REMOVING PATIENT FROM THE CONTAMINATED ATMOSPHERE AND IN REMOVING THE SOLUTION FROM THE SKIN OR EYES IS OF PRIMARY IMPORTANCE.**

**Eyes:** Irrigate immediately with copious amounts of water for about 15 minutes. Eyelids should be held apart during irrigation to insure contact of water with all tissues of the eyes and lids. A physician, preferably an eye specialist, should be contacted.

**Skin:** Immediately subject affected area with drenching shower of water and remove contaminated clothing as rapidly as possible. An iced 70% solution of alcohol or an ice cold saturated solution of magnesium sulfate (Epsom salts) should be applied for at least 30 minutes by direct immersion or by a freshly prepared paste of powdered U.S.P. Magnesium Oxide and U.S.P. Glycerin.

**Inhalation:** Remove patient to an uncontaminated area and apply artificial respiration if breathing has stopped. Patient should remain quiet, preferably lying down and kept warm and comfortable. Do not give stimulants unless so ordered by a doctor.

**Ingestion:** **DO NOT INDUCE VOMITING.** Contact a physician immediately. Have patient drink a large quantity of water, followed by milk or 2 ounces of Milk of Magnesia. See also "First Aid for Inhalation"

### Section 5. Fire Fighting Measures

<b>Flash Point</b>	None
<b>Flammable Limits</b>	N/A
<b>Flammability</b>	None
<b>Fire hazard</b>	None
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire.

### Section 6. Accidental Release Measures

<b>Spills</b>	Neutralize with lime slurry. flush to chemical sewer with copious amounts of water. DO NOT FLUSH TO SEWER.
<b>Disposal Method</b>	Dispose of in accordance with state, federal, or local Regulations.

### Section 7. Handling and Storage

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes. Do not ingest. Do not reuse container.
<b>Storage</b>	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

**Keep out of the reach of children.**

### Section 8. Exposure Controls/Personal Protection

#### Personal Protection



HYDROCHLORIC ACID

**ACGIH / OSHA (United States).**  
7 mg/m<sup>3</sup> Ceiling  
**ACGIH TLV (United States).**  
7 mg/m<sup>3</sup> TLV Ceiling

PHOSPHORIC ACID

**ACGIH / OSHA (United States).**  
TWA: 1 mg/m<sup>3</sup> 8 hour(s).  
**ACGIH TLV (United States).**  
STEL: 3 mg/m<sup>3</sup> 15 minute(s).

**Eyes** Safety Goggles, Face Shield.  
**Body** For prolonged or repeated handling, use gloves. Recommended: Neoprene gloves. Rubber gloves. Rubber Apron.  
**Respiratory** Avoid breathing in mist. Local or mechanical exhaust.  
**Other** Protective head covering and clothing where contact is likely.

**Section 9. Physical and Chemical Properties**

**Boiling Point** 212 deg. F  
**Vapor Pressure (@200C)** N/A  
**Vapor Density (Air=1)** <1  
**Solubility in H<sup>2</sup>O** Complete  
**Specific Gravity** 1.073  
**Evaporation Rate (Acetone=1)** >1  
**pH** 2 - 3  
**Appearance and Color** Blue or Sometimes Water White Liquid - Acidic Odor

**Section 10. Stability and Reactivity**

**Chemical Stability** Stable  
**Conditions to Avoid** Avoid contact of concentrated acid with concentrated alkaline materials.  
**Materials to Avoid** Alkalines, Oxidizers, and Metals.  
**Hazardous Polymerization** None  
**Hazardous Decomposition Products** Hydrogen gas will form if left in contact with light metals.

**Section 11. Toxicological Information**

**Acute Toxicity**  
**SENSITIZATION:** N/A      **CARCINOGENICITY: IARC:** N/A      **NTP:** N/A      **OSHA:** N/A

Product/ingredient name	Result	Species	Dose	Exposure
HYDROCHLORIC ACID	LD50 Dermal	Rabbit	4413 ppm/30M	-
	LD50 Oral	Rat	700 mg/kg	-
PHOSPHORIC ACID	LD50 Dermal	Rabbit	>3160 mg/kg	-
	LD50 Oral	Rat	4400 mg/kg	-

**Section 12. Ecological Information**

**Ecotoxicity:** N/A  
**BOD5 and COD:** N/A  
**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.  
**Special Remarks on the Products of Biodegradation:** N/A

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Non-hazardous waste

**Section 14. Transport Information**

**UN or NA Number** UN1760

**Emergency Response Guide** 154

**DOT Shipping Name** UN1760, Corrosive Liquids, n.o.s. (Hydrochloric acid, Phosphoric acid), 8, PGII, CORROSIVE

**Required Label**

**Reportable Quantity** None

**Other Precautions** Read entire label before using / Keep out of reach of children.

**Section 15. Regulatory Information****U.S. Federal Regulations**

**SARA 313** toxic chemical notification and release reporting:

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112** regulated toxic substances: No products were found.

**State Regulations**

**California Prop 65** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**Section 16. Other Information**

Protective Equipment: If PEL or TLV limits, listed in Section 2, are exceeded a NIOSH/OSHA approved air respirator is advised. These respirators should not be used for an extended period of time. A dust mask should be used when using a buffing machine. High speeds of buffing machines throw chemical dust into the air.

Sufficient mechanical ventilation should be used to maintain exposure levels below PEL and TLV limits in Section 2. Chemical resistant gloves are always recommended as some chemicals may not only do damage to the skin but may also be a threat through absorption.

Chemical resistant splash goggles are recommended when using liquid chemicals, or using a high speed buffing machine.

NA=Not Applicable N/E=Not Established ND=Not Determined NR=Not Regulated N/L=Not Listed VP=Vapor Pressure  
IARC=International Agency for Research on Cancer

**Disclaimer of Liability**

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