

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT INFORMATION

Name: ALUMINUM BRIGHTNER
Subtitle: ALUMINUM BRIGHTNER
Supplier's Name: Banner Labs, Inc.

Chemical Family: N/A
Formula: N/A
Phone Number: (713) 896-8778

NPCA Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	2
Maximum Personal Protection	D

Supplier's Address: 11875 W Little York, 202, 77041

Proper Shipping Name: Compound Cleaning, Liquid, (Hydrofluoric Acid)

Hazard Class: Corrosive Material, 8, NA 1790, III

SECTION 2 - INGREDIENTS

NAME	CAS#	Wt%	PEL	TWA-TLV	STE-TLV	CARCINOGEN
Hydrogen chloride	7647-01-0	0 to 5	C5 ppm	C5 ppm	N/A	No
Hydrofluoric acid	7664-39-3	15 to 20	C3 ppm	C3 ppm	N/E	No
Sulfuric acid	7664-93-9	0 to 5	1 mg/M3	1 mg/M3	N/A	No

NO OTHER HAZARDOUS INGREDIENTS ARE CONTAINED IN THIS PRODUCT

SECTION 3 - PHYSICAL DATA

Boiling Range: 210+ Specific Gravity: 1.02
Vapor Pressure: 25 Vapor Density: >1
% Volatile: >90 pH: 1.0
Solubility: 100% Evaporation Rate: <1
Physical Description: Clear blue liquid with acid scent.

SECTION 5 - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur
Incompatibility (Materials to Avoid): Strong Alkalis, most metals, bleach
Hazardous Decomposition Products: Hydrogen or chlorine gas

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (Method Used TCC): N/A
Upper Explosive Limit: N/A Special Fire Fighting Procedures: Not Flammable
Lower Explosive Limit: N/A
Extinguishing Media: N/A Unusual Fire & Explosion Hazards: N/A

SECTION 6 - STORAGE AND HANDLING INFORMATION

Precautions to be taken in Handling & Storage:
Keep out of reach of children. For use by trained personnel only.
Keep container closed during storage. For institutional and industrial use only.

SECTION 7 - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE

Primary Route of Entry:

Skin:
Severe skin irritant. Prolonged or repeated exposure can cause severe skin damage & acute dermatitis.

Eyes:
Severe eye irritant. Liquid and mists can cause pain, tearing, possible swelling of the conjunctiva and corneal destruction.

Inhalation:
May be irritating to mucous membranes of the nose, throat and lungs.

Ingestion:
May be fatal if ingested. seek medical attention immediately. Large doses can cause vomiting.

FIRST AID PROCEDURES

Skin:
Remove contaminated clothing. Flush exposed area with large quantities of water. Seek medical attention if irritation persists.

Eyes:
Flush eyes with large quantities of water, holding eyelids open. Seek medical attention.

Inhalation:
Get to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Ingestion:
Do not induce vomiting. Give large quantities of water or milk. Seek medical attention immediately.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Information: Use with adequate ventilation.

Protective Gloves: Acid proof

Other Protective: N/A

Ventilation: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.

Eye Protection: Safety glasses

SECTION 9 - SPILL OR LEAK PROCEDURE

Steps to be taken in case Material is Released or Spilled:
Mop up or otherwise absorb and hold for disposal.

Waste Disposal Method:
Any method in accordance with local applicable law

Prepared According to 29 CFR 1910.1200

Product# : 0701

Revised: November 25, 2014