

MSDS - Material Safety Data Sheet

Product Name: #475 ALUMINUM BRIGHTNER

MSDS No.: 1475

I. Basic Information:

Manufacturer: GRIFFIN BROS. INC.
Address: PO BOX 42194
City, ST Zip: Portland, OR 97242-019

Emergency / Information 800-456-4743

Last Update: 3/12/04

24 HOUR EMERGENCY

CHEMTREC 800-424-9300

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA OSHA 313	OSHA PEL	ACGIH TLV	Other Limits
7664939	Sulfuric acid		X							
7664393	Hydrofluoric acid		X							

III. Hazardous Identification:

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

IV. First Aid Measures:

Route(s) of Entry:

Eyes, skin, ingestion, inhalation

Health Hazards (Acute and Chronic):

Eyes-irritation and possible corneal injury./Skin-redness, possible dermatitis./Ingestion-Esophagal and Stomach cramps./Inhalation-Vapors and mist may irritate nose and throat. Higher concentrate may cause headache and nausea.

Signs and Symptoms:

Irritation-burning sensation. Cramps

Medical Conditions Generally Aggravated by Exposure:

Dermatitis.

Emergency and First Aid Procedures:

Skin-rinse with soap and water./Eyes-rinse immediately with water for 15 minutes./Ingestion-Give water. Do not induce vomiting./Inhalation-Remove to fresh air. Call a physician if necessary.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: none.

Lower Explosive Limit: n.a

Upper Explosive Limit: n/a

Fire Extinguishing Media: Will not burn.

MSDS - Material Safety Data Sheet

Product Name: #475 ALUMINUM BRIGHTNER

MSDS No.: I475

Special Fire Fighting Procedures:
n/a

Unusual Fire and Explosion:
n/a

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:
Mop and rinse with water.

VII. Handling and Storage:

Precautions to be Taken:
Avoid excessive heat and avoid freezing.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:
Mechanical acceptable, Local Exhaust preferable

Personal Protective Equipment:
Plastic or rubber gloves. Safety glasses.

IX. Physical and Chemical Properties:

Boiling Point: 212F	Melting Point: n/a	Evaporation Rate: 1
Vapor Pressure (mm Hg.): n/a	Vapor Density (AIR = 1): n/a	Specific Gravity (H2O = 1): 1.07
Solubility In Water: 100%		
Appearance and Odor: clear liquid, acid odor		
Other Information:		

X. Stability and Reactivity:

Stability:
Stable

Incompatibility (Materials to Avoid):
alkalies

XIII. Disposal Considerations:

Dispose according to Local, State and Federal regulations.

XIV. Transport Information: