

Safety Data Sheet

Better Chemistry. Better Business

AL ETCH L

1 IDENTIFICATION

Product Name: AL ETCH L

Product Code :2542010

Recommended use of the chemical and restrictions on use: Liquid Alkaline Etchant

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone : 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

Absorb spillage to prevent material damage.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

Specific treatment - refer to poison center or doctor for advice.

Storage: Store locked up.

Store in corrosive resistant high density polyethylene container.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Concentratb1310du l75 ois€

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %

Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	1.525 (50% solution)
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Reactivity:	Contact with metal may release flammable hydrogen gas.
Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40 °C.
Incompatible Materials:	Avoid contact with aluminum, tin, zinc, halogenated solvents, and strong oxidizers and acids.
Hazardous Decomposition Products:	Contact with metal (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Caustic 50% solution: LD50, Rat-300-500 mg/kg
Dermal administration:	Caustic 50% solution-LD50 Rabbit->2 g/kg
Immediate effects:	Severe irritation or burns to skin, eyes and respiratory system
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH

12 ECOLOGICAL INFORMATION

Fish, Lepomis macrochirus,	Caustic-99 mg/L, 48 hrs
Bioaccumulation potential:	Unlikely
Water result:	Disperses in water.
Soil/Sediment Result:	Pronounced solubility and mobility

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number:	1824
UN Proper Shipping Name:	SODIUM HYDROXIDE SOLUTION,
Transport Hazard Class (es):	8
Packing Group:	II
ERG:	154

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 1