

# Material Safety Data Sheet

## HiAlk 2070



Revision Date: 08-Apr-08

**24-HOUR EMERGENCY 1-800-255-3924 (U.S.) 001-813-248-0585 (International)**

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HiAlk 2070  
General Description: Liquid Alkaline Cleaner  
Company Information: PureLabs LLC  
1919 S. Stoughton Rd  
Madison WI 53716  
USA  
1-608-222-3484

### SECTION 2 - COMPOSITION/IDENTITY INFORMATION

Hazardous Ingredients	CAS Number	%
Sodium Hydroxide	1310-73-2	30-60

### SECTION 3 - HAZARDS IDENTIFICATION

This product can cause irritation to eyes, skin, upper respiratory tract and mucous membranes. May be fatal if swallowed.

### SECTION 4 - FIRST AID MEASURES

#### If in Eyes:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing. Contact a physician immediately.

#### If Swallowed:

Have person sip a glass of water if able to swallow. Do not give anything to an unconscious person. Do not induce vomiting. Contact a physician immediately.

#### If Breathing Difficulty Occurs:

Move person to fresh air. Contact a physician immediately.

#### If on Skin:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Contact a physician immediately.

# Material Safety Data Sheet

## HiAlk 2070

### SECTION 5 - FIRE FIGHTING MEASURES

This product is not flammable. Wear self-contained breathing apparatus and protective gear to prevent skin contact with corrosive solutions.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Contain spills and dispose of according to federal and local regulations.

### SECTION 7 - HANDLING AND STORAGE

Handling: Use proper personal protective equipment as indicated in Section 8. Do not get in eyes, on skin, or on clothing. Use only in well-ventilated areas.

Storage: Store in a closed container away from sources of heat. If product becomes frozen, thaw and mix well before use.

### SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

If exposure limits listed in Section 11 are exceeded, use appropriate personal protective equipment.



Safety Glasses



Gloves



Protective Apron



Boots

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous, colorless liquid  
Odor: Strong  
Specific Gravity: 1.530  
pH (as is): >12  
Solubility in Water: Complete at recommended dilutions.

Note: The above properties are typical values and are not to be construed as a guaranteed analysis for any specific lot or as specifications for the product.

### SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable under ordinary conditions of use and storage.  
**Hazardous Decomposition Products:** None known.  
**Hazardous Polymerization:** Will not occur.  
**Incompatibilities:** Increases in temperature and/or pressure when mixed with strong acids, combustible materials, organic materials, or water. Hydrogen gas formation and possible explosion when in contact with zinc, aluminum, peroxides, or halogenated hydrocarbons.  
**Conditions to avoid:** Product absorbs carbon dioxide from the air. Keep containers sealed and closed.

# Material Safety Data Sheet

## HiAlk 2070

### SECTION 11 - TOXICOLOGICAL INFORMATION

Chemical Name	OSHA Permissible Exposure Limit (PEL)	ACGIH Threshold Limit Value (TLV)
Sodium Hydroxide	2 mg/m <sup>3</sup>	1 mg/m <sup>3</sup> TWA

### SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** This product is expected to be fatal to aquatic life.  
**Environmental fate:** No data available.

### SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

### SECTION 14 - TRANSPORTATION INFORMATION

#### U.S. Department of Transportation (DOT) Classification:

Proper Shipping Name: Corrosive Liquid, Basic, Inorganic NOS (Sodium Hydroxide)  
Hazard Class: 8  
UN Number: 3266  
Packing Group: II

#### Canadian Transportation of Dangerous Goods (TDG) Regulations:

Identical to U.S. DOT above.

#### International Maritime Dangerous Goods (IMDG) Code:

Identical to U.S. DOT above.

#### International Air Transport Association (IATA) Dangerous Goods Regulations:

Identical to U.S. DOT above.

### SECTION 15 - REGULATORY INFORMATION

Hazard Symbol(s): Corrosive  
Risk Phrase(s): R21 Harmful if in contact with skin.  
R22 Harmful if swallowed.  
R34 Causes Burns

## Material Safety Data Sheet

HiAlk 2070

### SECTION 16 - OTHER INFORMATION

Reason for Revision: New MSDS

Prepared by: PureLabs LLC Chemical Research and Development

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