

Material Safety Data Sheet

Product Name: Liqui-Tech

Revision Date:

March 01, 2004

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Section #1: Chemical Product And Company Identification

Product Name: Liqui-Tech

Manufacturer / Distributor: Industro Tech, Inc.

Address: 317 North Bridge Street, Grand Ledge, MI 48837

Telephone: (517) 627-8444 Fax: (517) 627-8037

For chemical emergency - spill, leak, fire, exposure or accident - call CHEMTREC - day or night - (800) 424-9300

Section #2: Composition/Information on Ingredients

Chemical Name:

CAS Number

WT %:

*Phosphoric Acid

7664-38-2

53%

* Indicates hazardous substances. Remainder of components comprise proprietary information. This document is prepared pursuant to the OSHA Hazard Communication Standard, 29 CFR 1910.1200. In addition, other substances not "hazardous" per this OSHA standard may be listed.

Section #3: Hazards Identification

EMERGENCY OVERVIEW: Product could cause burns to eyes and skin.

Potential Health Effects: See Section 11 for toxicological data

Effects Of Acute Exposure:

Eye: Burns, possible permanent damage.

Ingestion: Corrosive to mucus membranes.

Ingestion: Corrosive to gastrointestinal tract.

Skin: Burns may occur.

Inhalation: Mists may cause corrosion of mucous membranes and the lungs.

Inhalation: Vapor, fumes may cause coughing and sneezing.

Effects Of Chronic Exposure: None known.

Medical Conditions Generally Aggravated By Exposure: None known.

Section #4: First Aid Measures

Eye:

Immediately flush with water for 15 minutes.

If irritation occurs, consult physician.

Skin:

Flush with water for 15 minutes.

If irritation occurs, consult physician.

Remove contaminated clothing.

Inhalation:

Remove to fresh air if effects occur.

Consult physician

Ingestion:

Do not induce vomiting

Rinse mouth with copious amounts of water or milk

Irrigate the esophagus and dilute stomach contents by slowly giving one (1) or two (2) glasses of water or milk.

Consult physician - get medical attention.

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Section #5: Fire-Fighting Measures

Flash Point: None

Flammable Limits: None

Extinguishing Media: Not Applicable

Special Fire Fighting Procedures: Fire fighters should wear full protective gear including self contained breathing apparatus.

Unusual Fire And Explosive Hazards: Gases containing phosphorous may be released from decomposition of products residue.

NFPA Code Legend

4 - Severe Hazard
3 - Serious Hazard
2 - Moderate Hazard
1 - Slight Hazard
0 - Minimal Hazard

NFPA Hazard Codes - (Health / Flammability / Reactivity):

2 / 0 / 0

Section #6: Accidental Release Measures

Spill And Leak Procedure:

Dike or contain material. Neutralize acid with soda ash or lime. Wash area with water. Water must go to a treatment plant, not to the environment.

Disposal: Dispose of in accordance with applicable environmental standards.

Section #7: Handling And Storage

Precautions To Be Taken In Handling:

Avoid contact with eyes, skin, and clothing
Keep container tightly closed when not in use.

Precautions To Be Taken In Storage:

Normal shelf life 1 year.
Do not store with or near food supplies or potable water.

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Section #8: Exposure Controls / Personal Protection

Ventilation: No special requirement

Eye Protection: Chemical safety goggles.

Skin Protection: Rubber gloves.
Splash apron.

Respiratory Protection None needed, if ventilation is adequate.

Other Protection Equipment: Not Applicable

Permissible Exposure Limits: None established for Product.

Section #9: Physical And Chemical Properties

Appearance And Odor: Regular: Light yellow liquid.
Odorless.

Evaporation Rate: Similar to water

Inhibited: Amber liquid. Odorless

Boiling Point (°F): Greater than 212

pH: 1.5

Vapor Pressure Similar to water

Solubility In Water: Complete

Vapor Density: Similar to water

Section #10: Stability And Reactivity

Chemical Stability: Stable

Conditions To Avoid: Not Applicable

Incompatibility: Strong bases.
Aluminum.

Hazardous Decomposition Products: Phosphorous containing gases.

Hazardous Polymerization: Will not occur.

Section #11: Toxicological Information

This product is corrosive to eyes, skin, etc.

Ingredients As Carcinogens:

To the best of our knowledge, this product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be 'probable' or 'suspected' human carcinogens.

Section #12: Ecological Information

No data available.

Section #13: Disposal Considerations

Best route is to use product for its originally intended purpose.
Dispose of in accordance with applicable environmental standards.

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Section #14: Transport Information

DOT Proper Shipping Name: Phosphoric Acid Solution, 8, UN1805,III

DOT Hazard Class: 8

DOT Label: Corrosive

The shipping name listed above applies to a 55 gallon drum of the product. This product may have more than one proper shipping name, depending on packaging, product properties, and mode of shipment.

Section #15: Regulatory Information

TSCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

RCRA Hazard Class: Product waste may exhibit characteristic of corrosiveness.

CERCLA RQ: Listed "Phosphoric Acid" RQ 5,000 lbs. (9,434 lbs. of this Industro Tech product)

SARA Title III:

Extremely Hazardous Substance: No components of this product are listed.

Hazardous Substance: Hazard due to: Corrosiveness

Hazard Catagorization:

- Sudden Release Of Pressure Immediate (Acute) Health Fire
 Reactive Delayed (Chronic) Health

Section 313 Chemicals: Listed: Phosphoric Acid

STATE RIGHT-TO-KNOW:

PA1=Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%)

PA3=Pennsylvania Environmental(Hazardous Substance (present at greater than or equal to 1.0%.))

NJ1=Hazardous Substance

NJ2=Special Health Hazard & Hazardous Substance.

MA=Hazardous Substance.

Section #16: Other Information

No other information listed.

We believe that the statements, technical information, and recommendations contained herein are reliable. However, since data, safety standards, and government regulations are subject to change and conditions of handling and of use or misuse are beyond our control, and since health and safety precautions given may not be adequate for all individuals and/or situations, Enerco Corporation/Industro Tech, Inc. makes no warranty, either expressed or implied, with respect to the continuing accuracy of the information contained herein.