

DIVISION OF TRICORN INC. P.O. BOX 796 SHILLINGTON, PA 19607 (610) 777-6823 FAX (610) 777-6858

PRODUCT IDENTIFICATION

Manufacturer's Name: HYDRO DYNAMICS

Emergency Telephone: 800-255-3924

Address: 333 Trout Lane

PO Box 796

Telephone:

610-777-6823

Shillington, PA 19607

Product Name: HD-502

II HAZARDOUS INREDIENTS

Component % CAS # ACGIH TLV
Potassium Hydroxide 1-10 1310-58-3 2mg/m3 (C)
Phosphonic Acid '1-Hydroxyethhhylidene' Bis 1-10 2809-21-4 NE
Aqueous Solution

III PHYSICAL DATA

Boiling Point: 225°F

Vapor Pressure (mm Hg): NA Vapor Density (AIR=1): NA

Solubility in Water: 100%

pH: 11.5 - 12.5

odor.

Specific Gravity (H20=1): 1.04

Melting Point: NA

Evaporation Rate (Butyl Acetate=1): NA Appearance & Odor: Yellow liquid,

no distinctive

IV FIRE AND EXPLOSION INFORMATION

Flash Point (F): Above 220°F Closed Cup

Flammable Limits: NA

Special Fire Fighting Procedures: Wear positive pressure self contained breathing apparatus. If water is

boiled off, remaining product could burn

(organic portion).

Extinguishing Media: Water

Unusual Fire & Explosion Hazards: None

V HEALTH HAZARD INFORMATION

Routes of Entry:

Skin Inhalation Ingestion

Health Hazards (Acute and Chronic): Strong skin and respiratory tract irritant. Prolonged skin contact

can cause tissue damage.

Signs & Symptoms of Exposure:

Prolonged skin contact can cause tissue damage.

Emergency and First Aid Procedures:

Ingestion: Secure immediate medical attention.

Eyes:

Flush with copious quantities of water. Hold eye lids open during flushing. Get medical

attention

immediately.

Skin:

Flush affected areas with copious quantities of water. Get medical attention immediately.

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VI REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): Do not mix with acids.

Hazardous Decomposition of Byproducts: If all water is removed, phosphines, oxides of nitrogen, CO &

CO₂ may

form (from HDA).

Hazardous Polymerization: Will not occur.

VII HANDLING OF SPILLS OR LEAKS

Steps To Be Taken In Case Material is Released or Spilled: Flush area thoroughly with water then neutralized with dilute inorganic acid.

Waste Disposal Method: Liquid should be discharged to a waste treatment facility or sanitary sewer system if permissible under federal, state and local

regulations.

Precautions to Be Taken in Handling and Storing: Keep from freezing.

VIII PROTECTIVE EQUIPMENT

Respirator Protection: Not required but fumes are irritants. Use dust and mist respirator approved by NIOSH.

Ventilation:

Local Exhaust:

As required to keep airborne level below TLV.

Mechanical (General): Not normally necessary.

Protective Gloves: Rubber or Neoprene Eye Protection: Goggles or Face Shield

Other Protective Clothing or Equipment: Protective long sleeved clothing.

IX COMMENTS

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DATE: February 11, 2014