

**MATERIAL SAFETY DATA SHEET**

**PRODUCT:**  
DE-LYME

**D.O.T. :** Not Regulated  or Regulated   
Shipping Name (If regulated) :

**SECTION I**

**Manufactured By:**  
RUHOF CORPORATION  
393 SAGMORE AVENUE  
MINEOLA NY 11501-1919

**Emergency Phone:** 1-800-424-9300  
**Information Phone:** 516-294-5888  
**Date Prepared:** 10/20/06  
**Signature of Preparer (optional):**

**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>Hazardous Components:</b>	<b>OSHA PEL</b>	<b>CAS #</b>	<b>%</b>
Specific Chemical Identity (Common Name) : PHOSPHORIC ACID	1mg/cuM	7664-38-2	<25%

**Sara Hazard:** Fire? NO Pressure? NO Reactivity? NO Acute? YES Chronic? NO

**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b>	225 F	<b>Specific Gravity (water=1):</b>	1.2
<b>Vapor Pressure (mm Hg) :</b>	AS WATER	<b>Melting Point:</b>	N/A
<b>Vapor Density (Air=1):</b>	N/A	<b>Evaporation Rate:</b>	1
<b>pH:</b>	1.5	<b>Evaporation Standard:</b>	WATER
<b>Solubility in Water:</b>	COMPLETE		
<b>Appearance &amp; Odor:</b>	CLEAR YELLOW LIQUID, PLEASANT ODOR		

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used) :** NONE  
**Flammable Limits in Air (%):** N/A Lower: N/A Upper: N/A  
**Extinguishing Media:** WATER, FOAM, FOG, DRY CHEMICAL

**Special Fire Fighting Procedures:**

FIGHT SURROUNDING FIRE. TREAT AS CHEMICAL FIRE. WEAR PROTECTIVE EQUIPMENT.

Ratings	NFPA	HMIS
Health	2	0
Fire	0	0
Reactivity	0	0

**Fire/Explosion Hazards:**

HYDROGEN GAS CAN BE GENERATED BY CONTACT WITH SOFT METALS.

**SECTION V – REACTIVITY DATA**

**Stability:** Unstable  Stable   
**Conditions to Avoid:** NONE  
**Materials to Avoid:** ALKALIS AND SOFT METALS  
**Hazardous Decomp/Byproducts:** HYDROGEN FROM CONTACT WITH SOFT METALS; OXIDES OF PHOSPHORUS.  
**Hazardous Polymerization:** May Occur  Will Not Occur   
**Conditions to Avoid:** NONE

=====SECTION VI – HEALTH HAZARD DATA=====

**Routes of Entry:** Inhalation?YES Skin?YES Ingestion?YES

**Acute & Chronic Health Hazards:**

EYES: SEVERE IRRITATION. SKIN: REDDING AND IRRITATION. INHALATION: IRRITATION OF MUCOUS MEMBRANES. INGESTION: IRRITATION OF MUCOUS MEMBRANES.

**Carcinogenicity:**NO **NTP:**NO **IARC:**NO **OSHA Regulated:**NO

**Signs/Symptoms of Exposure:**

EYES: REDDENING AND BURNING. SKIN: REDDENING AND IRRITATION. INHALATION: IRRITATION OF LUNGS, THROAT, AND MOUTH. INGESTION: IRRITATION OF MUCOUS MEMBRANES.

**Medical Conditions Generally Aggravated by Exposure:**

DERMATITIS

**Emergency and First Aid Procedures:**

EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES AND SEE DOCTOR. SKIN: FLUSH WITH WATER; NEUTRALIZE WITH SOAP OR BICARBONATE OF SODA. REMOVE CONTAMINATED CLOTHING. INHALATION: REMOVE TO FRESH AIR; SEE DOCTOR. INGESTION: RINSE MOUTH WITH WATER. DRINK 1 OR 2 GLASSES OF WATER TO DILUTE . DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

=====SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE=====

**In case Material is Released or Spilled:**

NEUTRALIZE WITH BICARBONATE OR SOAP, MOP UP AND DISPOSE OF IN SANITARY SEWR IN ACCORDANCE WITH REGULATIONS.

**Waste Disposal Method:**

LANDFILL OR NEUTRALIZED MATERIAL, OR SANITARY SEWER. HAVING BEEN NEUTRALIZED BY USE, USED PRODUCT CAN BE DISPOSED OF TO SEWER.

**Precautions to be Taken in Handling and Storing:**

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM STRONG ALKALIES.

**Other Precautions:**

USE ALL PRECAUTIONS FOR HANDLING ACIDS.

=====SECTION VIII – CONTROL AND PROTECTION MEASURES=====

**Respiratory Protection:**

NIOSH-APPROVED ACID FUME RESPIRATOR.

**Ventilation:** YES **Special Ventilation:** NO **Local Exhaust Needed:** NO **Mechanical:**NO **Other:** NO  
(General)

**Protective Gloves:** RUBBER OR NEOPRENE

**Eye Protection:** CHEMICAL SAFETY GOGGLES

**Clothing/Equipment:** SAFETY SHOWER/EYE WASH STATION

**Work/Hygiene:** AVOID SKIN CONTACT. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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