

MATERIAL SAFETY DATA SHEET

PRODUCT: **DE LIME**

PRODUCT INGREDIENT : **PHOSPHORIC ACID 75%**

DATE: **23-APRIL 2007**

PRODUCT CODE : **06835**

650# POLY DR

CAS #: 00766438 MSDS No. 000096 Revision No./Date 03 041107

Detail Number 00025/01 FORMULA: H3 P 04

CHEMICAL FAMILY: inorganic acids

CHEMICAL NAME AND SYNONYMS:

SUPPLIERS NAME:

ENERGY MIZER

Phosphoric Acid 36 to 37%

295 EDWARDIA DR.

Phosphoric Acid 50 to 85%

GREENSBORO, NC 27409

Orthophosphoric Acid 50 to 85%

SUPPLIERS PHONE NUMBER: **1-336-294-1601**

MSDS 000096 Detail 00025

EMERGENCY PHONE NUMBER : 1-800-627-5634

S.A.R.A INFORMATION

HAZARDOUS

: ACUTE

PHYSICAL DATA

: MIXTURE LIQUID

SECTION I HAZARDOUS INGREDIENTS

Ingredients CAS.# (CAS # 7664-38-2	MAX % W/W	S.A.R.A Applies			TWA/TLV (ppm)	Air Containment Levels		Skin Agent	
		312	313	372		STEL (ppm)	CEIL (ppm)	N	OSHA
Phosphoric Acid	85.0	Y	N	N	0.25	0.75		N	OSHA
Orthophosphoric Acid					0.25	0.75		N	ACGIH

SECTION II HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE : **DANGER! CORROSIVE LIQUID. CAUSES BURNS. DESTROYS BODY TISSUES.**

EYES : Eye contact with product may cause severe irritation burns Prolonged or repeated eye contact may cause irreversible damage blindness

SKIN : contact may cause severe irritation Prolonged or repeated skin contact may cause burns irreversible damage

INHALATION: Inhalation may cause irritation coughing

INGESTION : Ingestion may cause irritation burns pain nausea vomiting shock symptoms (rapid pulse, sweating, and collapse), Even death

TARGET ORGANS OVEREXPOSURE MAY CAUSE DAMAGE TO,: All body tissues

FIRST AID

EYES : Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.

SKIN : Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing before reuse. Discard any contaminated shoes and leather articles. Call a physician.

INHALATION : Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.

INGESTION : DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. **NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Call a physician immediately.

OTHER INFORMATION

ROUTES OF ENTRY: Skin contact

OVEREXPOSURE: May aggravate disorders of the Skin and respiratory system.

CARCINOGEN STATUS: No components, present in excess of 0.1% by weight are listed as carcinogens by IARC, NIP, or OSHA

SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT

EYES: Chemical goggles face shield Always wear eye protection when working with chemicals. Do Not wear contact lenses when working with chemicals.

SKIN: acid proof gloves clean body covering clothing rubber apron rubber boots

INHALATION: If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

VENTILATION REQUIRED: Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. Mechanical general ventilation is usually adequate. Local mechanical ventilation may be required.

ADDITIONAL PROTECTIVE MEASURES: Safety shower, eye wash fountain, and of emergency or when dusting, misting, protection, gloves, helmet, boots, and washing facilities should be readily available. In case of splashing may occur, wear respiratory protection, eye complete protective body covering

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (METHOD): = N/A

Flammable Limits (% Volume in Air)

UPPER : N/D

LOWER : N/D

HMIS Info

Health

: 2

NFPA Info

Health

: 3

Fire

: 0

Fire

: 0

React

: 0

React

: 0

Special

: X

Special

: C

EXTINGUISHING MEDIA: media appropriate for surrounding fire

FIRE FIGHTING PROCEDURES: Not considered a fire hazard.

UNUSUAL FIRE & EXPLOSION HAZARDS: none currently know

SECTION V PHYSICAL DATA

Boiling Point: > OR = 275 deg. °F

Freezing Point: 1 deg. °F

Specific Gravity (H₂O=1): > OR = 1.5850 60 deg. °F

Vapor Pressure(MM HG.): > OR = 5.700 @ 68 deg. °F

Vapor Density (AIR=1) : N/D

Evaporation Rate(NA =1): N/D

Solubility in Water: COMPLETE

Percent Volatile by Volume: N/D

pH: aqueous approx. 1.000 to 2.000

Appearance: COLORLESS TO LIGHTLY COLORED LIQUID

Odor: NIL

SECTION VI REACTIVITY DATA

STABILITY:

Stable

INCOMPATIBLY:

inorganic bases organic bases metals/metal blends Contact with some metals can generate explosive hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion (burning) can produce oxides of phosphorus

HAZARDOUS POLYMERIZATION :

Will not occur

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Evacuate non essential personnel, eliminate ignition sources, and wear protective equipment (See Section III). Shut off source of leak only if safe to do so. Contain spill. Recover free product. To clean up residue ,flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers.It may be necessary to remove contaminated soil. If product is flammable or combustible, use non sparking tools.If acidity (low pH) is a problem, neutralize with hydrated lime, soda ash, or sodium bicarbonate.If alkalinity (high pH) is a problem neutralize with dilute acetic acid or dilute hydrochloric (muriatic) acid. If required, notify state and local authorities. Product may be toxic to fish or aquatic life.

DISPOSAL METHOD

Solids must be disposed of in a permitted waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted facility. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Proper Shipping Name: PHOSPHORIC ACID

Hazard Class: 8, UN1805, PGIII

Label Requirements: CORROSIVE

Reportable Quantity: NONE

SECTION IX ADDITIONAL INFORMATION

LABEL SIGNAL WORD: DANGER

PRECAUTIONS:

Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do Not breathe vapor, mist, or dust. Do Not get in eyes, on skin, or clothing. Do not swallow.

HANDLING:

For industrial use only. Heat is generated upon dilution with water. When diluting, add product slowly to water with agitation. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

STORAGE:

Keep container closed when not in use. Store in a cool dry place. Keep out of reach of children.

SECTION X COMPLIANCE INFORMATION

TSCA INVENTORY STATUS: Listed **DATE REVISED:** 041107 **N/A = NOT APPLICABLE UNK = UNKOWN < = LESS THAN**

DATE ISSUED: 920514 **N/D = NOT DETERMINE N/E = NOT ESTABLISHED > = MORE THAN**

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