

ELE-MAX PHOSCAL LC

Helena Chemical Company
 PH: 1-901-761-0050
CHEMTREC: 1-800-424-9300
Effective Date: 01-19-00
Product: ELE-MAX PHOSCAL LC

I. IDENTIFICATION

Chemical Name: CONCENTRATED LIQUID P, N AND CALCIUM.

Chemical Family: INORGANIC NUTRIENTS

Formula: NOT APPLICABLE, FORMULATED MIXTURE.

Synonyms: NONE

CAS Number: SEE INGREDIENT STATEMENT, SECTION III.

EPA Number: NOT REQUIRED

II. PHYSICAL DATA

Boiling Point: 212 DEGREES F.

Freezing Point: <- 15 DEGREES C.

Spec Gravity: 1.312 GMS/CC

Vapor Pressure: NOT ESTABLISHED

Vapor Density: NOT ESTABLISHED

Solubility: MISCIBLE

Volatiles: NOT ESTABLISHED

Evaporation: NOT ESTABLISHED

Melting Point: <-15 DEGREES C.

Appearance: CLEAR YELLOW/GREEN LIQUID, LOW ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY LIQUID CONCENTRATE BLEND; DERIVED FROM CALCIUM PHOSPHATE, PHOSPHORIC ACID, AMMONIUM PHOSPHATE AND AMMONIUM NITRATE (CONTAINS 11.1% FREE PHOSPHORIC ACID)		100.00	NOT ESTABLISHED	PRODUCT IS ACIDIC; SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NON-COMBUSTIBLE

Autoignition Temp: NOT APPLICABLE

Flammable Limit: NOT APPLICABLE

Extinguishing Media: NON-COMBUSTIBLE LIQUID. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.

Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Fire and Expl Hazard: PRODUCT MAY PRODUCE PHOSPHORIC PENTOXIDE UNDER FIRE CONDITIONS. MAY PRODUCE HYDROGEN GAS IF IN CONTACT WITH CERTAIN METALS (SEE SECTION VI).

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: EXCESSIVE INGESTION MAY CAUSE INTERNAL IRRITATION BY VIRTUE OF ACIDIC NATURE. NOT TOXICOLOGICALLY HAZARDOUS. ACUTE ORAL LD50 (RAT) = >2000 MG/KG.

Skin Absorption: NONE CURRENTLY KNOWN.

Inhalation: MIST MAY PRODUCE IRRITATION OF THE UPPER RESPIRATORY TRACT.

Skin contact: PRODUCT MAY PRODUCE SKIN IRRITATION BY VIRTUE OF ACIDIC NATURE.

Eye Contact: PRODUCT MAY PRODUCE SEVERE EYE IRRITATION BY VIRTUE OF ACIDIC NATURE.

Chronic Effects: NONE CURRENTLY KNOWN, WHERE THE PRODUCT IS USED UNDER CONDITIONS OF GOOD INDUSTRIAL HYGIENE.

Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: IF CONSCIOUS, GIVE MILK OR WATER TO DRINK, DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS. LAUNDRER CLOTHING BEFORE REUSE.

Inhalation: MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT. INGESTION MAY RESULT IN IRRITATION TO THE DIGESTIVE TRACT. PRODUCT HAS A PH OF 1.1.

VI. REACTIVITY

Stability: Stable

Conditions to Avoid: EXTREMES OF TEMPERATURES

Polymerization: Will Not Occur

Conditions to Avoid: NONE CURRENTLY KNOWN.

Incompatibility material: CAUSTIC SODA, CHLORATES, NITRATES, CALCIUM CARBIDE, ETC., MILD STEEL, ALUMINUM ALLOY, BRASS, TIN, GALVANIZED MATERIAL.

Hazardous Combustion: WILL REACT WITH METAL (E.G.- SEE ABOVE) WITH EVOLUTION OF HYDROGEN GIVING RISE TO POTENTIALLY FLAMMABLE AND EXPLOSIVE MIXTURES.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN PRODUCT, REUSE MATERIAL IF UNCONTAMINATED. IF CONTAMINATED, ABSORB MATERIAL WITH AN ABSORBENT SUCH AS CLAY OR SAND AND PLACE IN PLASTIC CONTAINERS FOR PROPER DISPOSAL. DO NOT CONTAMINATE WATER SUPPLIES.

Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: NONE NEEDED UNDER NORMAL CONDITIONS. IF MIST IS PRESENT, USE A MIST TYPE CANISTER RESPIRATOR APPROVED BY MSHA/NIOSH.

Ventilation: LOCAL EXHAUST NORMALLY SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: SPLASH PROOF GOGGLES.

Other: EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS. STORE IN ORIGINAL CONTAINERS, AWAY FROM EXCESSIVE HEAT BUT DO NOT ALLOW TO FREEZE. STORE AWAY FROM BASES (SUCH AS CAUSTIC SODA), CHLORATES AND NITRATES. SEE SECTION VI.

Other precaution:

A) RCRA HAZARDOUS WASTE NUMBER: D002, CORROSIVITY (AS WASTE)

B) SARA TITLE III, SECTION 313: PHOSPHORIC ACID (11.1%)

C) SARA THRESHOLD PLANNING QUANTITY: 10,000 GALLON (MIXTURE)

D) CERCLA REPORTABLE QUANTITY: 4,100 GALLON

E) 49 CFR 172.102, APPENDIX A: HAZARDOUS SUBSTANCE

F) 49 CFR 172.102, APPENDIX B: NOT LISTED

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT (HIGHWAY), OR IMDG (WATER). REGULATED AS A CORROSIVE LIQUID BY IATA (AIR). (PH OF 1.1)

Hazard Class: NONE

Identification No: NONE

Labels Required: NONE REQUIRED

Placarding: NONE REQUIRED

Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER) LIQUID, NOIBN (NMFC ITEM 68140, SUB 6, CLASS 70)

Chemical Name	Equivalent R.Q.
PHOSPHORIC ACID	5000 LB(2270 KG)

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2

Fire: 0

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y

Delayed (Chronic) Health: N

Sudden Release of pressure: N

Fire: N

Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300
 Collierville, TN 38017

Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification. VID 8.1.03