

ELE-MAX K-LEAF 0-0-30

Helena Chemical Company
 PH: 901-761-0050
CHEMTREC: 800-424-9300
Effective Date: 19-FEB-2005
Product: ELE-MAX K-LEAF 0-0-30

I. IDENTIFICATION

Chemical Name: CONCENTRATED LIQUID POTASSIUM.

Chemical Family: INORGANIC LIQUID FERTILIZER.

Formula: NOT APPLICABLE, FORMULATED MIXTURE.

Synonyms: NONE

CAS Number: SEE INGREDIENT STATEMENT, SECTION III.

EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.

Freezing Point: <-10 DEGREES C.

Spec Gravity: 1.515 GMS/CC

Vapor Pressure: NOT ESTABLISHED

Vapor Density: NOT ESTABLISHED

Solubility: MISCIBLE WITH WATER.

Volatiles: NOT ESTABLISHED

Evaporation: NOT ESTABLISHED

Melting Point: <-10 DEGREES C.

Appearance: CLEAR YELLOW LIQUID, LOW ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY LIQUID CONCENTRATE BLEND; DERIVED FROM POTASSIUM HYDROXIDE.		100.00	N/E	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: NONE CURRENTLY KNOWN.

V. HEALTH HAZARD

Carcinogen Information: NOT LISTED BY IARC, NTP, ACGIH OR OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: MAY BE HARMFUL IF INGESTED. CAN CAUSE IRRITATION, BLOATING/GAS, OR ABDOMINAL PAIN. ACUTE ORAL LD50 (RAT) = >2000 MG/KG.

Skin Absorption: NONE CURRENTLY KNOWN.

Inhalation: LOW ACUTE INHALATION TOXICITY. MAY CAUSE COUGHING, UPPER RESPIRATORY TRACT IRRITATION, AND LUNG IRRITATION.

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

Eye Contact: PRODUCT MAY PRODUCE SEVERE EYE IRRITATION BY VIRTUE OF ALKALINE 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 IRRITA-

TION 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 OF THE DIGESTIVE TRACT.

VI. REACTIVITY

Stability: Stable

Conditions to Avoid: EXTREMES OF TEMPERATURES.

Polymerization: Will Not Occur

Conditions to Avoid: NONE CURRENTLY KNOWN.

Incompatibility material: STRONG ACIDS

Hazardous Combustion: PRODUCT MAY PRODUCE OXIDES OF CARBON UNDER FIRE CONDITIONS.

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 GLOVES.

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.

Other precaution: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT.

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.
NOT APPLICABLE	NOT APPLICABLE

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

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