

Material Safety Data Sheet

Effective Date: 11-MAR-2010
Product: ELE-MAX KSAR 0-0-15

I. IDENTIFICATION

Chemical Name: Potassium Carboxylic Acid Salts
Chemical Family: Nutritional Solution
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not determined
Freezing Point: Not determined
Spec Gravity: 1.247 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Miscible
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Dark, reddish-brown clear liquid.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Potassium Carboxylic Acid Salts with water.		100.00	N/E	Skin irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: This is a non-combustible liquid. Use the extinguishing media suitable for the underlying cause of fire.
Special Fire Fight Proc: Wear a self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.
Fire and Expl Hazard: May produce toxic fumes under fire conditions.

Material Safety Data Sheet

Effective Date: 11-MAR-2010
Product: ELE-MAX KSAR 0-0-15

V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion may result in gastrointestinal upset, including vomiting and abdominal cramps.
Skin Absorption: None currently known.
Inhalation: May cause some irritation of the mucous membranes if spray mists are inhaled.
Skin contact: Prolonged or repeated skin contact may cause mild irritation.
Eye Contact: May be irritating with direct eye contact.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Give 2 to 3 glasses of water to drink and induce vomiting. If irritation develops, consult a physician immediately.
Skin: Wash affected area thoroughly with soap and water. If irritation develops, consult a physician.
Inhalation: Move to fresh air. If breathing becomes difficult or if irritation develops, obtain medical attention.
Eyes: Immediately flush eyes with water for at least 15 minutes, holding the eyelids open. If irritation develops, consult a physician.
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.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: None currently known.
Hazardous Combustion: May produce toxic and irritating fumes under fire conditions.

Material Safety Data Sheet

Effective Date: 11-MAR-2010
Product: ELE-MAX KSAR 0-0-15

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Dike and contain spill. If uncontaminated, collect and reuse as intended. If contaminated, absorb spilled product with an inert material, such as clay, sand or sawdust. Collect and place in suitable containers for proper disposal. Wash spill area with water, then collect with absorbent and place in container with material for disposal.

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 use conditions.
Ventilation: Local exhaust sufficient.
Gloves: Impervious gloves.
Eyes: Splashproof goggles.
Other: Eyewash 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, ponds or drains with this product.
Other precaution: None currently known.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Compound, Fertilizer (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

Chemical Name

Not applicable

Equivalent R.Q.

Not applicable

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

11-MAR-2010 10:25:18
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 11-MAR-2010
Product: ELE-MAX KSAR 0-0-15

XI. GENERAL PRODUCT INFORMATION

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

Health: 1 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.