

Material Safety Data Sheet

Effective Date: 11-MAR-2000
Product: ELE-MAX MICROSEC

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE
Chemical Family: INORGANIC METAL SALTS
Formula: NOT APPLICABLE, FORMULATED MIXTURE
Synonyms: NONE
CAS Number: TRADE SECRET
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.
Freezing Point: NOT APPLICABLE
Spec Gravity: 40-60# CU. FT. (BULK DENSITY)
Vapor Pressure: NOT APPLICABLE
Vapor Density: NOT APPLICABLE
Solubility: NOT APPLICABLE
Volatiles: NOT APPLICABLE
Evaporation: NOT APPLICABLE
Melting Point: NOT ESTABLISHED
Appearance: TAN GRANULES, LOW ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF MAGNESIUM SULFATE, MAGNESIUM OXIDE, COPPER SULFATE, FERROUS SULFATE, IRON SUCRATE, MANGANESE SULFATE, MANGANESE SUCRATE, AND ZINC SULFATE		100.00	10 MG/M3	SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NON-COMBUSTIBLE
Autoignition Temp: NOT APPLICABLE
Flammable Limit: NOT APPLICABLE
Extinguishing Media: NON-COMBUSTIBLE PRODUCT. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.
Special Fire Fight Proc: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
Fire and Expl Hazard: PRODUCT GENERATES TOXIC AND IRRITATING FUMES UNDER FIRE CONDITIONS.

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V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: RESULTS IN VOMITING AND ABDOMINAL CRAMPS.
Skin Absorption: MAY BE HARMFUL BY SKIN ABSORPTION.
Inhalation: INHALATION MAY CAUSE IRRITATION TO NOSE AND THROAT.
Skin contact: SKIN CONTACT MAY CAUSE IRRITATION.
Eye Contact: EYE CONTACT RESULTS IN SEVERE IRRITATION.
Chronic Effects: NONE CURRENTLY KNOWN.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: GIVE A LARGE AMOUNT OF WATER TO DRINK, MAKE PERSON VOMIT AND IMMEDIATELY CALL A PHYSICIAN. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Skin: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.
Inhalation: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. IMMEDIATELY CALL A PHYSICIAN.
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.
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 CAUSE CORROSIVE DAMAGE TO THE DIGESTIVE TRACT.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: PRODUCT MAY REACT VIGOROUSLY WITH ACIDIC MATERIALS.
Hazardous Combustion: MAY PRODUCE AMMONIA GAS AND OXIDES OF CARBON UNDER FIRE CONDITIONS.

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VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN SPILL. IF UNCONTAMINATED, RECOVER AND REUSE PRODUCT. IF CONTAMINATED, SWEEP OR VACUUM UP AND PLACE IN A PLASTIC RECOVERY DRUM FOR PROPER 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 CONDITIONS. UNDER FIRE CONDITIONS OR IF VAPORS EXCEED TLV, USE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: LOCAL EXHAUST SUFFICIENT.
Gloves: IMPERVIOUS
Eyes: SPLASH PROOF GOGGLES.
Other: EMERGENCY SHOWER, 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. PROTECT AGAINST PHYSICAL DAMAGE. KEEP SEPARATE FROM OXIDIZING AND ACIDIC MATERIALS.
Other precaution: NONE.

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT, IATA, OR IMO
Hazard Class: NONE
Identification No: NONE
Labels Required: NONE
Placarding: NONE
Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER), SOLID, NOIBN

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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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