

Material Safety Data Sheet

Effective Date: 20-AUG-2013
Product: KICKSTAND MICRO MIX

I. IDENTIFICATION

Chemical Name: See Section III.
Chemical Family: Chelated Micronutrients
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: 1.18-1.20 g/ml
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Miscible
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Clear, dark blue liquid.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Zinc EDTA, Manganese EDTA, Copper EDTA and sodium molybdate.		100.00	N/E	Skin & eye irritant.
GUARANTEED ANALYSIS:				
Zinc (Zn):		3.0%		
Manganese (Mn):		1.0%		
Copper (Cu):		1.0%		
Molybdenum (Mo):		0.2%		

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Use water fog or spray, dry chemical, foam or
carbon dioxide extinguishing media.
Special Fire Fight Proc: Wear self-contained breathing apparatus and
full protective clothing.
Fire and Expl Hazard: May emit toxic and irritating fumes under fire

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conditions.

V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: May cause gastrointestinal upset including
nausea, vomiting or diarrhea.
Skin Absorption: No hazard anticipated due to skin absorption.
Inhalation: Exposure to excessive concentrations of
vapors, mists or aerosols of this product may
cause respiratory tract discomfort.
Skin contact: No significant irritation is expected due to
skin contact. Repeated contact may cause mild
irritation.
Eye Contact: Eye contact may cause mild irritation.
Chronic Effects: None currently known for this formulation.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: If conscious, rinse mouth with water, then
drink 2 to 3 glasses of water. Only induce
vomiting if instructed to do so by a physician
or poison control center. Seek medical
attention
Skin: Remove contaminated clothing. Wash affected
area with plenty of soap and water. Get
medical attention if irritation occurs.
Inhalation: Move to fresh air. If irritation persists,
seek medical attention.
Eyes: Flush eyes with plenty of water, continuing
for at least 15 minutes while holding the
eyelids apart. If irritation persists, seek
medical attention.
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.

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Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with strong oxidizers. Avoid contact with aluminum, zinc, copper alloys and nickel.
Hazardous Combustion: May produce oxides of carbon and nitrogen under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spilled product. If uncontaminated, collect and reuse as intended. If contaminated, absorb with an inert material, collect and place in suitable containers 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: Respiratory protection not required under normal use conditions.
Ventilation: Ensure adequate ventilation.
Gloves: Nitrile gloves.
Eyes: Chemical goggles or face shield.
Other: Eyewash station, emergency shower, 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.
Other precaution: Keep containers tightly closed when not in use. Isolate from materials such as strong oxidizing agents. Store in PVC, polyethylene, stainless steel or bituminized tanks. Avoid contact with aluminum, copper, copper alloys, nickel and zinc.

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

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X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG. See
Transportation Note below.

Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Fertilizing Compound, (Manufactured
Fertilizer), Liquid, NOIBN (NMFC Item 68140,
Sub 6, Class 70)

Chemical Name	Equivalent R.Q.
Ammonium Hydroxide (CAS No. 1336-21-6)	1,000 lbs/>691 gallons

TRANSPORTATION NOTE:
If shipped in bulk containers >691 gallons, ship as:
RQ, UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Ammonium
Hydroxide), 9, PG III "ERG # 171"

XI. GENERAL PRODUCT INFORMATION

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

Health: 2 Fire: 1 Reactivity: 1

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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