

Material Safety Data Sheet

Effective Date: 22-JAN-2010

Product: KickStand DG +Fe Greens Grade 0-0-0

I. IDENTIFICATION

Chemical Name: Proprietary Nutritional Blend
Chemical Family: Granular Nutritionals
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: Not applicable
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: 100%
Volatiles: Not determined
Evaporation: Not applicable
Melting Point: Not determined
Appearance: Dark brown granules with mild ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of humic acids, ammonium and iron salts of carboxylic acids.		100.00	N/E	Skin, eye and respiratory (nuisance dust) irritant

GUARANTEED ANALYSIS:

Iron (Fe): 0.50%

Derived from iron humates.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not applicable
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Non-combustible solid. Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.
Fire and Expl Hazard: Product may generate toxic and irritating fumes under fire conditions.

Material Safety Data Sheet

Effective Date: 22-JAN-2010

Product: KickStand DG +Fe Greens Grade 0-0-0

V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Possible stomach disorders may occur if ingested. No Acute Oral LD50 has been established for this formulation.
Skin Absorption: None currently known. No Acute Dermal LD50 has been established.
Inhalation: If dusts are generated, inhalation may cause slight respiratory irritation. No Acute Inhalation LC50
Skin contact: Prolonged skin contact may cause irritation, including skin reddening, if not washed off skin.
Eye Contact: Eye irritation may occur with direct contact.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: If conscious, give milk or water to drink. Induce vomiting. Obtain medical attention if irritation develops.
Skin: Wash skin thoroughly with soap and water. Obtain medical attention if irritation develops.
Inhalation: Move to fresh air. Obtain medical attention if irritation develops.
Eyes: Flush eyes with water for 15 minutes, holding the eyelids open. Obtain medical attention if irritation develops.
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.

Material Safety Data Sheet

Effective Date: 22-JAN-2010

Product: KickStand DG +Fe Greens Grade 0-0-0

Hazardous Combustion: At extreme temperatures, product may evolve carbon monoxide and other oxidation products.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spilled product and reuse, if uncontaminated. If contaminated, sweep, shovel or vacuum up and place in suitable containers for proper disposal. Do not contaminate water supplies, lakes, streams or ponds with this material.

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: Rubber or plastic gloves.

Eyes: Chemical goggles or safety glasses.

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: None currently known.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.

Hazard Class: None

Identification No: None

Labels Required: None

Placarding: None required

Freight Class: Compound, Fertilizer (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)

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

25-JAN-2010 10:23:17
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 22-JAN-2010

Product: KickStand DG +Fe Greens Grade 0-0-0

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: 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.