



Safety Data Sheet

Report Date 13-Apr-15

Page 1 of 4

1. Identification

Product Name : KickStand DG + Fe Greens Grade
Synonyms : None
Product Use : Granular Nutritionals
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Causes skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : No acute oral LD50 established. Possible stomach disorders may occur if ingested.
Acute Toxicity Dermal : No acute dermal LD50 established. May be harmful in contact with skin.
Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Skin Irritation - 2
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Plant nutrients derived from Iron Humates.	Proprietary	100.00
GUARANTEED ANALYSIS: Iron (Fe): 0.50%		

4. First Aid Measures

Eye : Flush eyes with water for 15 minutes, holding the eyelids open. Obtain medical attention if irritation develops.
Skin : Take off contaminated clothing. Wash skin thoroughly with soap and water. Obtain medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation : Move person to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
Ingestion : Call a poison control center or doctor immediately. Rinse mouth. Do not induce vomiting. Do not give anything by mouth to an unconscious person.
Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.

5. Fire Fighting Measures



Safety Data Sheet

Report Date 13-Apr-15

Page 2 of 4

- Extinguishing Media** : Non-combustible solid. Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : Product may generate toxic and irritating fumes under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Safety glasses or splashproof goggles, rubber or plastic gloves, impervious apron and footwear. Use dust mask if needed. Eyewash should be available.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams or ponds with this material.
- Methods and Materials for Containment and Cleanup** : Collect spilled product and reuse, if uncontaminated. If contaminated, sweep, shovel or vacuum up and place in suitable containers for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** :
- Conditions for Safe Storage** :

8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- Appropriate Engineering Controls** : Local exhaust sufficient.
- Personal Protective Equipment** : Safety glasses or splashproof goggles, rubber or plastic gloves, impervious apron and footwear. No respiratory protection needed under normal use conditions. Eyewash should be available.

9. Physical and Chemical Properties

- Odor/Appearance** : Brown to black granules, mild ammonia odor.
- Flash Point, °F** : Not applicable
- Boiling Point, °F** : Not applicable
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.72-0.77
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found
- pH** : 3.0-4.0 (1%)
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : No information found

10. Stability and Reactivity



Safety Data Sheet

Report Date 13-Apr-15

Page 3 of 4

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition : At extreme temperatures, product may evolve carbon monoxide and other
Products : oxidation products.
Hazardous Polymerization : Will not occur
Conditions to Avoid : None currently known.
Incompatible Materials : None currently known.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No acute toxicity data available. Possible stomach disorders may occur if ingested.
Acute Toxicity (Dermal LD50) : No acute toxicity data available. No hazards known.
Acute Toxicity Inhalation LC50 : No toxicity data available. If dusts are generated, inhalation may cause respiratory irritation.
Likely Routes of Exposure : Eyes, inhalation, ingestion, skin
Skin Irritation : Prolonged skin contact may cause irritation, including skin reddening, if not washed off skin.
Eye Irritation : Eye irritation may occur with direct contact.
Skin Sensitization : No information found.
Carcinogenic : None currently known.
Chronic Effects : None currently known.
Other Hazards : None currently known.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Fertilizing Compound, (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)

15. Regulatory Information



Safety Data Sheet

Report Date 13-Apr-15

Page 4 of 4

National Fire Protection :
Association Rating

Health: 1 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard :
Classification (Yes/No)

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of N
Pressure:
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 13-April-2015