

Material Safety Data Sheet

Effective Date: 24-JUL-2007
Product: Kickstand DG +Mn

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 determined
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 manganese salts of carboxylic acids.		100.00 N/E	Skin, eye and respiratory irritant (nuisance dust)

Typical Composition:
Manganese (Mn): 4.0%
Derived from manganese carbonate and manganese humate.

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 fumes under fire

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conditions.

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 product.
Skin Absorption: None currently known. No Acute Dermal LD50 has been established.
Inhalation: If dusts are generated and inhaled, slight respiratory irritation may occur. No Acute Inhalation LC50 has been established.
Skin contact: Prolonged contact may cause skin irritation if not washed off. Irritation includes reddening of skin at the point of contact.
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 at least 15 minutes, holding 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

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Conditions to Avoid: None currently known.
Incompatibility material: None currently known.
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 with spilled product.
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, 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 or
ponds.
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),
Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)

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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: 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
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