

Material Safety Data Sheet

Effective Date: 19-SEP-2011  
Product: HIBISGAIN 12-6-8 (BGI)

-----  
I. IDENTIFICATION  
-----

Chemical Name: Inorganic Metal Salts  
Chemical Family: Inorganic Fertilizer  
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: 0.70-0.80 gms/cc  
Vapor Pressure: Not applicable  
Vapor Density: Not applicable  
Solubility: Soluble  
Volatiles: Not applicable  
Evaporation: Not applicable  
Melting Point: >130 Degrees C.  
Appearance: Granular solid with no appreciable odor.

-----  
III. INGREDIENTS  
-----

Material	CAS Number	Percent	TLV	Hazard
Plant nutrients derived from Ammonium Sulfate, Biosolids, Diammonium Phosphate, Iron Oxide, Methylene Urea/Sulfate Potash, Methylene Ureas, Polymer Coated Urea, Sulfate Potash, Sulfate Potash Magnesia, Triple Super Phosphate, Urea-Formaldehyde.		100.00	N/E	Skin & eye irritant.
Micronutrients derived from Ammonium Sulfate, Biosolids, Copper Sulfate, Ferric Sodium DTPA and EDTA, Iron Oxide, Iron Sulfate, Magnesium Sulfate, Manganese Sulfate, Methylene Urea/Sulfate Potash, Methylene Ureas, Sulfate Potash, Sulfate Potash Magnesia, Triple Super Phosphate, Zinc Sulfate.				
Guaranteed Analysis:				
Total Nitrogen (N):		12.00%		
Available Phosphate (P2O5):		6.00%		
Soluble Potash (K2O):		8.00%		

Material Safety Data Sheet

Effective Date: 19-SEP-2011  
Product: HIBISGAIN 12-6-8 (BGI)

-----  
IV. FIRE AND EXPLOSION HAZARD  
-----

Flash Point: Non-combustible  
Autoignition Temp: Non-combustible  
Flammable Limit: Not applicable  
Extinguishing Media: Non-combustible solid. Use extinguishing media suitable for underlying cause of fire.  
Special Fire Fight Proc: Use positive pressure self-contained breathing apparatus and full protective clothing.  
Fire and Expl Hazard: Product may decompose at elevated temperatures to produce toxic fumes of ammonia and sulfur oxides.

-----  
V. HEALTH HAZARD  
-----

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

ACUTE EFFECTS OF OVER EXPOSURE  
-----

Swallowing: If swallowed, irritation may develop in the digestive tract, including the mouth, esophagus and stomach.  
Skin Absorption: No toxic effects expected due to skin absorption.  
Inhalation: Inhalation of dusts may irritate the nose, throat and lungs.  
Skin contact: Prolonged skin contact may cause skin irritation.  
Eye Contact: Contact with eyes may cause irritation.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
-----

Swallowing: If conscious, drink 2 to 4 glasses of water and induce vomiting by touching back of throat with finger. Seek medical attention.  
Skin: Wash affected areas promptly with soap and water. Remove any contaminated clothing and launder before reuse.  
Inhalation: Move to fresh air. If breathing is difficult, seek medical attention.  
Eyes: Flush eyes with water for at least 15 minutes, holding the eyelids apart. If irritation

Material Safety Data Sheet

Effective Date: 19-SEP-2011  
Product: HIBISGAIN 12-6-8 (BGI)

-----  
Notes to Physician: persists, seek medical attention.  
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: Avoid exposure to excessive heat.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Avoid contact with oxidizers, e.g., potassium salts, nitrites, nitrates, chlorates, chlorine and hypochlorite bleaches.  
Hazardous Combustion: May emit ammonia, sulfur trioxide, and sulfur dioxide gases under fire conditions.  
-----

VII. SPILL OR LEAK PROCEDURES

-----  
Spill or Leak Proc: If uncontaminated, sweep up or collect and reuse as product. If contaminated with other material, collect and place in proper container for later 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: Use NIOSH-approved dust respirator in dusty conditions.  
Ventilation: Local exhaust normally sufficient.  
Gloves: Impervious gloves.  
Eyes: Safety glasses.  
Other: Eyewash 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  
-----

Material Safety Data Sheet

Effective Date: 19-SEP-2011  
Product: HIBISGAIN 12-6-8 (BGI)

ponds. Protect against physical damage. Store in a cool, dry place, separate from combustibles, organic or other readily-oxidizable materials.

Other precaution: Avoid contact with eyes, skin and clothing. Follow good hygiene and housekeeping practices.

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)

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	

Manufactured for: BGI, 9771 87th Place South, Boynton Beach, FL, 33472  
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.