

# MATERIAL SAFETY DATA SHEET

## Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Gator Excel 400 HIGH Mn

Manufacturer: Howard Fertilizer & Chemical Co., Inc  
8306 South Orange Ave., Orlando, FL 32809

Date of Preparation: 07/24/06

Date of Revision: 09/10/09

Emergency Telephone: 800-899-3141

CHEMTREC 1-800-424-9300

## Section 2: HAZARDOUS INGREDIENTS

<u>CHEMICAL NAME/SYNONYM(S)</u>	<u>CAS NO.</u>	<u>ACGIH TLV/TWA</u>	<u>OSHA STEL</u>	<u>NIOSH REL/TWA</u>
Iron Glucoheptanate	299-28-5	1 mg/m <sup>3</sup> *	not listed	1 mg/m <sup>3</sup> *
Manganese Glucoheptanate	6485-39-8	0.2 mg/m <sup>3</sup> **	0.2 mg/m <sup>3</sup> **	not listed

\* as soluble iron salt

\*\*as Mn

## Section 3: HAZARDS IDENTIFICATION

May cause eye, skin, and/or respiratory tract irritation.

May be harmful if ingested.

NFPA: HEALTH: 0-1    REACTIVITY: 0    FLAMMABILITY: 0    ENVIRONMENT: 0  
(0=Insignificant 1=Slight    2=Moderate    3=High 4=Extreme)

## Section 4: FIRST AID MEASURES

**Eyes:** Rinse eyes with plenty of running water for at least 15 minutes.

**Skin:** Remove contaminated clothing and/or shoes. Wash with plenty of soap and water.

*For skin or eye contact, get medical attention if irritation develops.*

**Ingestion:** If conscious and alert, administer water and milk to dilute, then induce vomiting. Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. Do not give anything by mouth to an unconscious person.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

## Section 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Chemical Foam, Carbon Dioxide, Water Fog, Dry Chemical.

**Special Fire Fighting Procedures:** Wear positive pressure, self-contained breathing apparatus & full protective clothing. Avoid smoke inhalation. Contain any liquid runoff; do not let product enter drains. Thermal decomposition may release irritating gas and vapors.

## Section 6: ACCIDENTAL RELEASE MEASURES

**IF MATERIAL IS SPILLED:** Prevent spillage from entering drinking water supplies or streams. Collect liquid or absorb onto inert material and package for disposal.

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**Section 7: HANDLING & STORAGE**

**Avoid skin, eye and clothing contact with product or product mist. Do not contaminate waters when disposing of equipment washwaters.**

**Store only in original container in cool, dry, well ventilated area. Do not store near food or feeds.**

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes: Chemical splash goggles or full face shield to prevent eye contact.**

**Skin: Impervious gloves and clothes.**

**Respiratory: Not normally required. If mist is formed, use NIOSH/MSHA -approved mist respirator.**

**Section 9: PHYSICAL & CHEMICAL PROPERTIES**

**Specific Gravity: 1.356**

**Solubility in Water: Soluble**

**pH: 3.2**

**Color: Dark opaque liquid.**

**Section 10: STABILITY & REACTIVITY**

**Stability: Stable**

**Conditions to Avoid: Extreme heat. Do not freeze.**

**Incompatibility: Not known.**

**Hazardous Decomposition Products: Burning may release carbon monoxide. Toxic metal oxides may be produced.**

**Hazardous Polymerization: Will Not Occur**

**Section 11: TOXICOLOGICAL INFORMATION**

**Toxicity Data: No toxicological data available.**

**Positive Teratogen/Mutagen/Carcinogen (NTP): NO.**

**Potential Carcinogen OSHA/IARC: NO.**

**Section 12: ECOLOGICAL INFORMATION**

**Toxic to: fish, birds, or wildlife: No data available.**

**Section 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method(s): Do not reuse empty container. Do not contaminate any waters by discharge of waste effluents or equipment washwaters. Dispose of waste materials only in accordance with applicable federal, state and local laws and regulations.**

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**Section 14: TRANSPORTATION INFORMATION**      *DOT Shipping Information*

**Proper Shipping Name: Not Regulated**

**Section 15: REGULATORY INFORMATION**

**SARA Information: SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES**

**Immediate (Acute) Health: Yes**

**Sudden Release of Pressure: No**

**Delayed (Chronic) Health: No**

**Reactivity: No**

**Fire: No**

**Sec. 304 (CERCLA): None**

**SARA TITLE III-SEC. 313 SUPPLIER NOTIFICATION: Manganese compounds (4%).**

**Section 16: OTHER INFORMATION**

Format follows ANSI-Z400.1-2004.

*NA= Not Applicable      ND= Not Determined*