**Section 1: Identification**

- **Product Name:** SBC Helix Iron 5%
- **Synonyms:** None Known
- **Product Use:** Liquid Fertilizer
- **Manufacturer/Supplier:** Soil Basics Corporation
  - **Address:** 17014 Avenue 296, Visalia, CA 93292
  - **General Information:** (559) 651-2772
  - **Emergency Phone Number:** (888) 769-9266

**Section 2: Hazard Identification**

- **Signal Word:** Warning
- **Hazard Statement:***
  - **Skin Irritation:** May cause mild irritation
  - **Eye Irritation:** May cause injury
  - **Ingestion:** Causes irritation to the digestive and respiratory tract

**Section 3: Composition/Information on Ingredients**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blend of plant nutrients derived from iron sulfate (CAS No. 7720-78-7)</td>
<td>Proprietary</td>
<td>100</td>
</tr>
<tr>
<td>GUARANTEED ANALYSIS:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron:</td>
<td></td>
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<td></td>
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<td>5</td>
</tr>
</tbody>
</table>

**Section 4: First Aid Measures**

- **Emergency First Aid:***
  - **Inhalation:** Cannot be inhaled.
  - **Skin:** Mild irritation. Rinse skin immediately with water.
  - **Eye:** Wash with tempered water for 15 minutes. Do not rub eyes.
  - **Ingestion:** Causes irritation to the digestive and respiratory tract. Drink plenty of water or fruit juice. Call doctor immediately. Do not induce vomiting.

**Section 5: Fire Fighting Measures**

- **Suitable extinguishing media:** No specific firefighting procedures noted
- **Specific hazards arising from the chemical:** None
- **Special protective equipment and precautions for fire fighters:** No specific recommendation made, but respiratory protection may be required under exceptional circumstances when excessive air contamination exists.

**Section 6: Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures:**
  - Before using, repairing or providing maintenance of contaminated equipment, drain and rinse with water. No unusual requirements for hygienic practices.
  - Do not contaminate the waterways.

- **Environmental Precautions:**
  - Spill response: confine the spill into a dike area or sump if possible. Recover as much of the liquid as possible. Do not allow run-off into sewer systems.
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*** Section 7: Handling and Storage ***

Precautions for safe handling: Refer to Section 8 for personal protective equipment.

Conditions for safe storage, including any incompatibilities: Ambient storage temperature, unlimited shelf life. In handling and storage, keep separate from acids.

*** Section 8: Exposure Controls/Personal Protection ***

Control parameters: None

Engineering Controls: Not applicable

Individual protection measures, such as personal protective equipment: No respiratory protection required. Use suitable protective rubber or plastic gloves to avoid prolonged or repeated skin contact. Goggles or face shield for eye protection. Emergency eye wash and safety shower is recommended for other protective equipment. No ventilation methods required.

*** Section 9: Physical and Chemical Properties ***

- pH: 2.47
- Odor: Slight
- Melting point/freezing point: N/A
- Flash point: N/A
- Flammability (solid, gas): Not determined
- Vapor pressure: N/A
- Relative density: N/A
- Partition coefficient n-octanol/water: N/A
- Decomposition temperature: None
- Color: Amber-brown
- Odor Threshold: None
- Initial boiling point and boiling range: N/A
- Evaporation rate: N/A
- Upper/lower flammability or explosive limits: Not determined
- Vapor density: N/A
- Solubility(ies): N/A
- Auto-ignition temperature: Not combustible
- Viscosity: N/A

*** Section 10: Stability and Reactivity ***

Reactivity: Unknown

Chemical stability: Stable under normal conditions

Possibility or hazardous reactions: No dangerous reactions known

Conditions to avoid (e.g. static discharge, shock or vibration): Excessive heat or contact with acids

Incompatible materials: Acids and heat

Hazardous decomposition products: None

*** Section 11: Toxicological Information ***

Information on the likely routes of exposure: Body contact is most likely route.

Inhalation: None

Ingestion: None

Skin Contact: Could be a route

Eye contact: Could be a route

Symptoms related to characteristics of: No symptoms aggravated by exposure

Physical: None

Chemical: None

Toxicological: None

Delayed effects: None determined

Immediate effects: None determined

Chronic effects from short term exposure: None determined

Chronic effects from long term exposure: None determined

Numerical measures of toxicity: None determined
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*** Section 12: Ecological Information ***

Ecotoxicity (aquatic and terrestrial, where available): No further information available
Persistence and degradability: No further information available
Bioaccumulative potential: No further information available
Mobility in the soil: No further information available
Other adverse effects: Hazardous for water; keep out of waterways.

*** Section 13: Disposal Information ***

Waste disposal methods: Reclaim and reuse as much as possible. Do not allow material to reach sewer system.
Dispose in accordance with local, state and federal regulations.

*** Section 14: Transport Information ***

UN proper shipping name: Non-regulated material
UN Number: Non-regulated material
Transport Hazard Class: Not a DOT hazardous material
Packing group: Not applicable
Environmental hazards: No information found
Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Trucks, tanks, mini-bulks, drums, buckets
Special precautions which a user needs to be aware of, or needs to comply with: None determined at this time

*** Section 15: Regulatory Information ***

Safety, health and environmental regulations: No additional regulatory information applicable. Refer to sections 11, 13, 14

*** Section 16: Other Information ***

Emergency Overview: Product is an amber brown aqueous solution. Product is irritating to the eyes. Inhalation of mists and vapors should be avoided, as it may be irritating to the respiratory system.

Miscellaneous Information: Use with caution and according to specifications on manufacturer’s label. SDS may not fully reflect manufacturer’s recommendations. Containers will contain residues of the product. Do not re-use containers for any purpose other than transporting, storing, or mixing of fertilizers. The information accumulated herein is believed to be accurate but is not warranted to be whether origination with the company or not. Recipients are advised to confirm in advance of need that they information is current, applicable, and suitable to their circumstances.

Date of preparation/revision: June 1, 2015