### Section 1: Identification

**Sugarbeet Pulp Shreds**

Manufacturer's Name
American Crystal Sugar Co.
101 North 3rd Street
Moorhead, MN 56560
Emergency Telephone Number:
(218) 236-4400
Telephone Number for Information:
(218) 236-4324

Description: Livestock and poultry feed (not for human consumption)

Restrictions: None

Preparation Date: 07/01/2014
Revised: 05/18/2016

**Description:**
Sugarbeet Pulp Shreds are non-hazardous under normal conditions of use, storage, and handling.

**Restrictions:**
None

**Preparation Date:**
07/01/2014

**Revised:**
05/18/2016

### Section 2: Hazard(s) Identification

No Hazardous Components

Sugar beet Pulp Shreds are non-hazardous under normal conditions of use, storage, and handling.

**Description:**
Flat strips or pieces of sugar beet, dark gray color, amine odor.

### Section 3: Composition / Information on Ingredients

Shreds are the insoluble portion of the sugar beet root (Beta vulgaris) from which 99% of soluble material has been removed.

It is supplied in dry (less than 12% moisture).

### Section 4: First Aid Measures

**INHALED:**
Prolonged exposure to dust could lead to respiratory distress. With respiratory condition avoid dust exposure.

**Eyes:**
Dust is an eye irritant. Flush eyes with water if contaminated and relocate to fresh air.

**INGESTION:**
Non-toxic

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Courtesy of Midwest Agri-Commodities - www.mwagri.com
### Section 5  Fire-Fighting Measures

**Extinguishing media:**
- Ansul dry chemical. Water may be used on burning material that has been segregated from uninvolved product.

**Special Fire Fighting Procedures:**
- Self-contained breathing apparatus, protective clothing. Segregation of involved, smoldering product from uninvolved product. The burning material can be extinguished with water. Avoid getting the uninvolved product wet.

**Unusual Fire and Explosion Hazards:**
- Supports combustion only poorly. The relative explosion hazard of the dust is severe, similar to flour and grain products. As with any finely divided organic solid, dust may be explosive if mixed with air in critical proportions and in the presence of an ignition source. Spontaneous combustion may occur when product moisture exceeds 12%.

### Section 6  Accidental Release Measures

**Steps to Be Taken in Case Material is Released or Spilled:**
- Collect with some mechanical device. Avoid generating dust explosion hazard.

### Section 7  Handling and Storage

**Precautions to Be taken in Handling and Storing:**
- Avoid getting material wet. Avoid excessive humidity.

**Product is stable under ordinary circumstances, when maintained in its dry state and dust is minimized. Excessive moisture, dust generation, and sources of ignition are to be avoided.**
<table>
<thead>
<tr>
<th>Section 8</th>
<th>Exposure Controls/Personal Protection</th>
<th>None specific personal protection required. May use dust proof goggles or a dust mask if desired.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 9</td>
<td>Physical and Chemical Properties</td>
<td>Melting Point N/A</td>
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<tr>
<td></td>
<td></td>
<td>Boiling Point N/A</td>
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<tr>
<td></td>
<td></td>
<td>Specific Gravity (H₂O=1) 0.65 - 0.70</td>
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<tr>
<td></td>
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<td>Vapor Pressure (mm Hg.) N/A</td>
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<td>Vapor Density (AIR=1) N/A</td>
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<td></td>
<td>Evaporation Rate (Butyl Acetate=1) N/A</td>
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<td></td>
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<td>Solubility in Water: Insoluble in water</td>
</tr>
<tr>
<td>Section 10</td>
<td>Stability and Reactivity</td>
<td>Stable under ordinary conditions of use and storage. Hazardous polymerization will NOT occur.</td>
</tr>
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<td>Hazardous Decomposition or Byproducts: Thermal decomposition may produce ammonia gas, carbon dioxide, carbon monoxide.</td>
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<td>Moisture above 12% may cause spontaneous combustion.</td>
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<td>Incompatibility (Materials to Avoid): Strong oxidizers such as nitric acid or sulfuric acid</td>
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<tr>
<td>Section 11</td>
<td>Toxicological Information</td>
<td>Non-toxic and biodegradable.</td>
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<td>Product contains no ingredients currently classified as carcinogenic by NTP, IARC, or OSHA.</td>
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<tr>
<td>Section 12</td>
<td>Ecological Information (non-mandatory)</td>
<td>Non-toxic and biodegradable.</td>
</tr>
<tr>
<td>Section 13</td>
<td>Disposal Considerations (non-mandatory)</td>
<td>Waste Disposal Method: Discard as permitted by local regulatory agencies to determine approved disposal procedure at specific location.</td>
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<td><strong>Section 14</strong></td>
<td><strong>Transport Information (non-mandatory)</strong></td>
<td>Not applicable</td>
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<tr>
<td><strong>Section 15</strong></td>
<td><strong>Regulatory Information (non-mandatory)</strong></td>
<td>Not ordinarily regulated.</td>
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<tr>
<td><strong>Section 16</strong></td>
<td><strong>Other Information</strong></td>
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</tbody>
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