Grain Processing Corporation
MATERIAL SAFETY DATA SHEET

SECTION I - Product and Company Identification

Product Name: C160 60% Corn Gluten Meal
Chemical Name: 60% Corn Gluten Meal
Formula: Mixture of protein, lipid, carbohydrate, and ash
Manufacturer: Grain Processing Corporation, P.O. Box 349, 1600 Oregon Street, Muscatine, Iowa 52761
24-Hour Emergency Assistance: 563-264-4304
For Other Information Call: 563-264-4265

SECTION II - Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS No.</th>
<th>% by Wt.</th>
<th>OSHA PEL TWA</th>
<th>STEL</th>
<th>ACGIH TLV TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Gluten Meal</td>
<td>~90</td>
<td>15 mg/m³ total dust</td>
<td>--</td>
<td>Nuisance particulate,</td>
<td>--</td>
<td>Nuisance particulate,</td>
</tr>
</tbody>
</table>

SECTION III - Physical Data

- Boiling Point (°F): Not applicable
- Specific Gravity (H₂O=1): Not applicable
- Vapor Pressure (mm Hg): Not applicable
- Moisture (% by Wt.): ~10
- Vapor Density (Air=1): Not applicable
- Evaporation Rate (n-butyl acetate=1): Not applicable
- Solubility in Water: Not applicable
- Appearance and Odor: Goldenrod, slight odor

SECTION IV - Fire and Explosion Hazard Data

- Flash Point (Method Used): Not applicable
- Extinguishing Media: Water - Chemical - CO₂
- Special Fire Fighting Procedures: None
- Unusual Fire and Explosion Hazards: All dusts from grain products are explosive at critical air-dust concentrations.

SECTION V - Health Hazard Data

- Route(s) of Entry: Inhalation - as dust. Skin - no. Ingestion - unlikely; should pose no hazard.
- Carcinogenicity: NTP - no. IARC - no. OSHA - no.
- Threshold Limit Value: See Section II
- Effects of Overexposure: None
- Emergency and First Aid Procedures: None required
SECTION VI - Reactivity Data

Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Conditions to Avoid: Do not allow dust to accumulate

SECTION VII - Spill or Leak Procedures

Steps to Be Taken in Case Material Is Released or Spilled: Sweep up and/or flush clear with water; avoid production of dust.

Waste Disposal Method: Dispose of in approved solid waste disposal area per current regulations.

SECTION VIII - Special Protection Information

Personal Protective Equipment: Protective clothing, gloves and safety eyewear protection are not required, but recommended. Use appropriate NIOSH-approved respirator when needed. Respirator selection must be based on contamination levels found in the work area. Comply with OSHA standards 29 CFR 1910.134 Respiratory Protection and 29 CFR 1910.1000 Air Contaminants Permissible Exposure Limits. Eyewash and safety shower should be available. Follow good housekeeping and manufacturing practices.

Ventilation: Use general or local exhaust ventilation to meet OSHA PELs or ACGIH TLV requirements.

SECTION IX - Special Precautions

Precautions To Be Taken In Handling and Storing: Store in cool, dry area

Other Precautions: None

SECTION X - Transportation (DOT Information)

Department of Transportation - Classification: Not applicable

Department of Transportation - Identification Number: Not applicable

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

GPC-MSDS
C160
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