

Grain Processing Corporation

MATERIAL SAFETY DATA SHEET

Print Date: 08/11/04

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

<u>Ingredient(s):</u>	<u>CAS No.</u>	<u>% by Wt.</u>	<u>OSHA PEL</u>		<u>ACGIH TLV</u>	
			<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>
Corn Gluten Meal		~90	Nuisance particulate, 15 mg/m ³ total dust	--	Nuisne particulate, 10 mg/m ³ of total dust	--

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

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GPC-MSDS

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Effective Date: 11/06/02