

MATERIAL SAFETY DATA SHEET



In the event of a medical or chemical emergency contact
ChemTel, Inc. North America 1-800-255-3924 or worldwide
Intl. + 01-813-248-0585

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, Texas 75418

Natural Guard® Cottonseed Meal

Effective Date: January 1, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Natural Guard® Cottonseed Meal

COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, TX. 75418

2. INGREDIENTS:

HAZARDOUS COMPONENT	% BY WEIGHT
Total Nitrogen (N)	6.00%
Available Phosphate (P ₂ O ₅)	1.00%
Soluble Potash (K ₂ O)	1.00%

3. PHYSICAL DATA:

Boiling Point: N/A
Specific Gravity (H₂O=1): 0.8 – 1.0
Vapor Pressure: Not determined
Percent Volatile by Volume: Not determined
Vapor Density: Not determined
Evaporation Rate: Not determined
Solubility in Water: Not determined
Reactivity in Water: Will not evolve flammable or toxic gases
Appearance and Odor: Brown, granular powder

4. FIRE AND EXPLOSION DATA:

Flash Point: 489°F
Flammable Limits in Air: Lower: Not determined Upper: Not determined
Extinguishing Media: Dry chemical, carbon dioxide, Halon, water spray, or standard form
Auto Ignition Temperature: 650°F
Unusual Fire and Explosion Hazards: Dust from this product may form an explosive mixture with air.
Special Fire Fighting Procedures: Move container away from area, if possible. Do not scatter spilled material with high pressure water streams. Dike fire control water for later disposal. Use agents suitable for type of surrounding fires. Avoid breathing hazardous vapors. Keep upwind. Water or foam may cause frothing.

5. HEALTH INFORMATION:

Primary Routes of Exposure and Target Organs: Inhalation, eye or skin contact, ingestion.

Signs and Symptoms of Exposure

- Acute Overexposure:** Inhalation of dusts may cause unpleasant deposits in respiratory passages. Cottonseed meal will provide sufficient nutrient to promote fungal proliferation, and subsequent production of mycotoxins, which are toxic. Eye contact may result in irritation.
- Chronic Overexposure:** None determined.

Medical Conditions Generally Aggravated by Exposure: Disorders of respiratory system.

Chemical/Component Listed as Carcinogen or Potential Carcinogen: None.

NTP: No **IARC:** No **OSHA:** No

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Other Exposure Limits:

ACGIH TLV for nuisance dusts = 10 mg/m³

OSHA PEL for nuisance dusts = 15mg/m³

Emergency and First Aid Procedures: **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. **Eye or Skin Contact:** Immediately slush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse.

Ingestion: Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

6. REACTIVITY DATA:

Stability:

Stable

Conditions to avoid:

Does not apply

Incompatibility (Materials to Avoid):

Strong oxidizers

Hazardous Decomposition Products:

Thermal decomposition may release acid smoke and irritating fumes.

Hazardous Polymerization:

Will not occur

7. SPILL OR LEAK PROCEDURES:

Steps to be taken in case material is leaked or spilled: Sweep up material and transfer to the original container, or to a sealed, labeled container. Residue may be washed away with water.

Waste disposal method: Dispose of in accordance with Federal, State, and local regulations.

8. PERSONAL PROTECTIVE INFORMATION:

Respiratory Protection: NIOSH/MSHA approved respiratory devices to protect against nuisance dusts.

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

Protective Gloves: When necessary to prevent skin contact.

Eye Protection: Safety glasses or goggles.

Other Protective Clothing or Equipment: When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

9. SPECIAL PRECAUTIONS:

Precautions to be taken in Handling & Storage: Store in a cool, dry area away from ignition sources. Avoid contamination with moisture.

Other precautions: Not determined.

10. OTHER INFORMATION:

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.