

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

Hi-Yield® Blood Meal

Effective Date: January 1, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Hi-Yield® Blood Meal

COMPANY IDENTIFICATION:

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

2. INGREDIENTS:

HAZARDOUS COMPONENT	% BY WEIGHT
Total Nitrogen (N)	12.00%

3. PHYSICAL DATA:

Boiling Point:	N/A
Specific Gravity (H₂O=1):	0.5
Vapor Pressure:	Not determined
Percent Volatile by Volume:	Not determined
Vapor Density:	Not determined
Evaporation Rate:	Not determined
Solubility in Water:	Slight
Reactivity in Water:	Will not evolve flammable or toxic gases
Appearance and Odor:	Finely ground, dark powder

4. FIRE AND EXPLOSION DATA:

Flash Point:	None
Flammable Limits in Air:	Lower: Does not apply Upper: Does not apply
Extinguishing Media:	Use media which is suitable for surrounding materials. (Foam, Water, Dry Chemical.)
Unusual Fire and Explosion Hazards:	None determined
Special Fire Fighting Procedures:	Wear pressure-demand, self-contained breathing apparatus, (MSHA/NIOSH approved or equivalent, and full protective gear. Avoid inhalation of fumes and dusts.

5. HEALTH INFORMATION:

Primary Routes of Exposure and Target Organs: Inhalation, ingestion.

Signs and Symptoms of Exposure

- Acute Overexposure:** Symptoms of exposure are similar to those exposed to nuisance dusts. Inhalation of dusts may result in symptoms of respiratory discomfort including deposition of matter in the respiratory passages.
- 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

Other Exposure Limits:

ACGIH TLV for nuisance dusts = 10 mg/m³

OSHA PEL for nuisance dusts = 15mg/m³

Emergency and First Aid Procedures: Ingestion: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

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Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

6. REACTIVITY DATA:

Stability:	Stable
Conditions to avoid:	Does not apply
Incompatibility (Materials to Avoid):	None determined
Hazardous Decomposition Products:	None determined
Hazardous Polymerization:	Will not occur

7. SPILL OR LEAK PROCEDURES:

Steps to be taken in case material is leaked or spilled: Clean up of spills may require personal protective equipment. **See Section 8.** Sweep up, vacuum the 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: Not required under normal conditions of use.
Eye Protection: Safety glasses or goggles.
Other Protective Clothing or Equipment: None determined.

9. SPECIAL PRECAUTIONS:

Precautions to be taken in Handling & Storage: Store in a cool, dry area.
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.