

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® Bone Meal

Effective Date: January 1, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Hi-Yield® Bone Meal

COMPANY IDENTIFICATION:

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

2. INGREDIENTS:

HAZARDOUS COMPONENT	% BY WEIGHT
Available Phosphoric Acid (P ₂ O ₅)	10.00%

3. PHYSICAL DATA:

Boiling Point:	N/A
Specific Gravity (H₂O=1):	Not determined
Vapor Pressure:	Not determined
Percent Volatile by Volume:	Not determined
Vapor Density:	Not determined
Evaporation Rate:	Not determined
Solubility in Water:	Insoluble
Reactivity in Water:	Does not apply
Appearance and Odor:	Light straw granular solid, animal odor

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:	Fires should be treated as wood fires.

5. HEALTH INFORMATION:

Primary Routes of Exposure and Target Organs: Eyes, gastrointestinal tract

Signs and Symptoms of Exposure

- Acute Overexposure:** Eye contact: local irritation. Skin contact: no specific effects known. Inhalation: No specific effects known. Ingestion: Abdominal discomfort possible nausea, vomiting and diarrhea if large quantities are ingested.
- Chronic Overexposure:** None determined.

Medical Conditions Generally Aggravated by Exposure: None determined

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: **Eye Contact:** Flush with water for 15 minutes. Seek medical attention. **Skin Contact:** Remove contaminated clothing; flush with water for several minutes. Seek medical attention if irritation persists.

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Ingestion: Seek medical attention immediately. **Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, seek medical attention.

6. REACTIVITY DATA:

Stability:	Stable
Conditions to avoid:	None determined
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: Sweep up 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: Not required under conditions of normal use. Use a NIOSH/MSHA approved respiratory device if exposed to 10 mg/m³ nuisance dusts.

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

Protective Gloves: If skin contact is likely to occur

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.