



## VOLUNTARY PURCHASING GROUPS, INC.

### Safety Data Sheet Hi-Yield® Bone Meal

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#### SECTION 1: Identification

##### Product identifier

Product name Hi-Yield® Bone Meal

Substance name

##### Recommended use of the chemical and restrictions on use

Steamed Bone Meal - Mixture primarily containing calcium, fat, phosphorus and protein.

##### Supplier's details

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

Telephone 855-270-4776

##### Emergency phone number(s)

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

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### GHS label elements, including precautionary statements

##### Other hazards which do not result in classification

Not Applicable - Chemical component: Available Phosphate (P<sub>2</sub>O<sub>5</sub>) 10% by weight.

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#### SECTION 3: Composition/information on ingredients

##### Substances

Substance name

Other names / synonyms Steamed Bone Meal

##### Hazardous components

# Safety Data Sheet

## Hi-Yield® Bone Meal

### 1. Bone Meal

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#### SECTION 4: First-aid measures

##### Description of necessary first-aid measures

General advice	Threshold limit value not established. Effects of overexposure are unknown. May be irritating to skin and eyes. Possible allergen to those allergic to bovine, porcine, or poultry products.
If inhaled	Possible allergen to those allergic to bovine, porcine, or poultry products. Contact physician if irritation persists.
In case of skin contact	Rinse with soap and water. Contact physician if irritation persists.
In case of eye contact	Flush copiously with water. Contact physician if irritation persists.

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#### SECTION 5: Fire-fighting measures

##### Suitable extinguishing media

Carbon Dioxide, Dry Chemicals

##### Further information

Unusual Fire and Explosion Hazards: May have sufficient organic dust to be explosive if mixed with air in critical proportions. Maintain normal good housekeeping.

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#### SECTION 6: Accidental release measures

##### Personal precautions, protective equipment and emergency procedures

Flush away with water and detergent.

##### Methods and materials for containment and cleaning up

Follow all local, state, and federal regulations.

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#### SECTION 7: Handling and storage

##### Conditions for safe storage, including any incompatibilities

Store in clean, dry area. Storage under warehouse condition for over three to four months is not recommended.

##### Specific end use(s)

"Not for Human Consumption"

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#### SECTION 8: Exposure controls/personal protection

##### Appropriate engineering controls

Ventilation Recommended: Local Exhaust usual - Mechanical (General) usual

##### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Splash Goggles

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### Respiratory protection

NIOSH / MSHA approved respiratory mask

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	A tan to brown color meal
Odor	Meat
Odor threshold	
pH	
Melting point/freezing point	N/A
Initial boiling point and boiling range	N/A
Flash point	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	N/A
Vapor density	
Relative density	
Solubility(ies)	Slightly in water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	May have sufficient organic dust to be explosive if mixed with air in critical proportions.
Oxidizing properties	

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## SECTION 10: Stability and reactivity

### Reactivity

Stable - Hazardous polymerization will not occur. Avoid getting wet.

### Chemical stability

Stable

### Conditions to avoid

Avoid getting wet.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not established. May be irritating to skin and eyes. Possible allergen to those allergic to bovine, porcine, or poultry products. Refer to first aid section.

#### Skin corrosion/irritation

## **SECTION 12: Ecological information**

### **Toxicity**

Not established. No data available.

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

Flush away with water and detergent.

### **Other disposal recommendations**

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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## **SECTION 14: Transport information**

### **DOT (US)**

Transport and store in clean, dry area. Storage under warehouse conditions for over three to four months is not recommended.

### **IMDG**

### **IATA**

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## **SECTION 15: Regulatory information**

### **Chemical Safety Assessment**

Not applicable.

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## **SECTION 16: Other information**

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.