



**VOLUNTARY PURCHASING GROUPS, INC.**

## Safety Data Sheet Hi-Yield Bone Meal

---

### SECTION 1: Identification

#### GHS Product identifier

Product name	Hi-Yield Bone Meal
Product number	34120; 34124; 34124Q
Brand	Hi-Yield
Substance name	

#### Other means of identification

NPK 0-10-0

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

Fertilizer.

#### Supplier's details

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

Telephone	855-270-4776
-----------	--------------

#### Emergency phone number

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

---

### SECTION 2: Hazard identification

#### Classification of the substance or mixture

#### GHS label elements, including precautionary statements

#### Precautionary statement(s)

P102	Keep out of reach of children.
P103	Read label before use.

#### 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.

---

### SECTION 3: Composition/information on ingredients

#### Substances

# Safety Data Sheet

## Hi-Yield Bone Meal

Substance name:

Other names / synonyms: Steamed Bone Meal

### Hazardous components

Component	Concentration
Bone meal	Not specified

---

## 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.
If swallowed	Rinse Mouth Contact physician if large amounts ingested. Not an expected route of exposure.
Personal protective equipment for first-aid responders	No unusual procedures required.

### Most important symptoms/effects, acute and delayed

No information available.

### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

---

## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Carbon Dioxide, Dry Chemicals

### Specific hazards arising from the chemical

No information available.

### Special protective actions for fire-fighters

Wear pressure demand, self-contained breathing apparatus (SCBA), and full protective bunker gear, Avoid inhalation of combustion products.

### 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.

---

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Flush away with water and detergent.

### Environmental precautions

Prevent from entering storm drains or bodies of water.

# Safety Data Sheet

## Hi-Yield Bone Meal

### Methods and materials for containment and cleaning up

Follow all local, state, and federal regulations.

---

## SECTION 7: Handling and storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene. Wash hands after handling.

### 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.

---

## 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

#### Skin protection

No information available.

#### Respiratory protection

NIOSH / MSHA approved respiratory mask

---

## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	A tan to brown color meal
Odor	Earthy
Odor threshold	No information available.
pH	No information available.
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 or explosive limits	No information available.
Vapor pressure	N/A
Vapor density	No information available.
Relative density	No information available.
Solubility(ies)	Slightly in water
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
<b>Additional properties</b>	
Physical state	Solid
Color	Tan to brown
Explosive properties	May have sufficient organic dust to be explosive if mixed with air in critical proportions.

# Safety Data Sheet

## Hi-Yield Bone Meal

---

### SECTION 10: Stability and reactivity

#### Reactivity

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

#### Chemical stability

Stable

#### Conditions to avoid

Avoid getting wet.

---

### 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

May be irritating to skin and eyes.

##### Serious eye damage/irritation

May be irritating to skin and eyes.

##### Respiratory or skin sensitization

No information available.

##### Germ cell mutagenicity

None known

##### Carcinogenicity

None known

##### Reproductive toxicity

None known

##### Specific target organ toxicity (STOT) - single exposure

No data

##### Specific target organ toxicity (STOT) - repeated exposure

No data

##### Aspiration hazard

No data

---

### SECTION 12: Ecological information

#### Toxicity

Not established. No data available.

---

### SECTION 13: Disposal considerations

#### Disposal methods

#### Product disposal

# Safety Data Sheet

## Hi-Yield Bone Meal

Flush away with water and detergent.

### Waste treatment

Not considered a hazardous material for disposal. Follow the waste disposal requirements for your country, state and local authorities.

### 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.

---

## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

---

## SECTION 15: Regulatory information

### Chemical Safety Assessment

Not applicable.

---

## SECTION 16: Other information

No additional data.

### Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.