



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Bone & Blood Meal

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Bone & Blood Meal
Product number	32126
Brand	Hi-Yield

Other means of identification

NPK 6-7-0

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
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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

General hazard statement

Not a hazardous substance or mixture.

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Sensitization, skin, Cat. 1B

GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

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Hazard statement(s)

H317 May cause an allergic skin reaction
H305 May be harmful if swallowed and enters airways

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water/...
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see ... on this label).
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container to ...
P102 Keep out of reach of children.
P103 Read label before use.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Bone meal, steamed (CAS no.: 68409-76-7)	80 - 100 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.

If inhaled Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.

In case of skin contact Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

In case of eye contact Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

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If swallowed

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

Personal protective equipment for first-aid responders

Respiratory Protection: NIOSH/MSHA approved for protection against toxic

dusts containing quartz. Ventilation: General or local exhaust to maintain

employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979)

Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and

full-length pants may be worn when necessary to prevent skin contact.

Eye

wash and shower facilities should be available.

Most important symptoms/effects, acute and delayed

No information available.

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

Treat symptomatically. Contact poison treatment specialist

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water, regular foam, carbon dioxide, dry chemical

Specific hazards arising from the chemical

No information available.

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear a particle mask and nitrile gloves during handling.

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information.

SECTION 7: Handling and storage

Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene

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measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept

upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Body protection

Wash hands thoroughly with soap and water

Respiratory protection

Particle mask.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Solid; Dark Brown to Black; Powder
Odor	Fertilizer
Odor threshold	No data available.
pH	7.0-7.5
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	30-35 lb/ft ³
Solubility(ies)	No data available.

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Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition temperature
Viscosity

No data available.
No data available.
No data available.
No data available.

Additional properties

Physical state
Color

Solid
Dark Brown to Black

SECTION 10: Stability and reactivity

Reactivity

No specific test data is currently available.

Chemical stability

Product is stable.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

No specific data.

Incompatible materials

No specific data.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - > 5,000 mg/kg
LC50 Inhalation - Rat - > 5 mg/l - 4h
LD50 Dermal - Rat - > 5,000 mg/kg

Skin corrosion/irritation

Slight dermatitis may occur. Possible allergic reactions in sensitive individuals. Rash and swelling may occur in skin.

Serious eye damage/irritation

No information available.

Respiratory or skin sensitization

Mild respiratory irritation and cough may occur.

Germ cell mutagenicity

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Reproductive toxicity

No known significant effects or critical hazards.

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Specific target organ toxicity (STOT) - single exposure

No studies currently known describing effects of delayed, immediate, or chronic effects from short- and long-term exposure.

Specific target organ toxicity (STOT) - repeated exposure

No studies currently known describing effects of delayed, immediate, or chronic effects from short- and long-term exposure.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

No known significant effects or critical hazards.

Persistence and degradability

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

US EPA TSCA public inventory

Chemical name: Bone meal, steamed

CAS number: 68409-76-7

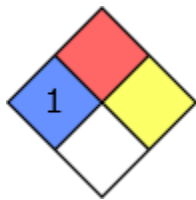
California Proposition 65 List

Product name: Hi-Yield Bone & Blood Meal

NFPA Rating

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SECTION 16: Other information

Further information/disclaimer

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