



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Blood Meal

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Blood Meal
Product number	32142; 32142Q; 32144
Brand	Hi-Yield

Other means of identification

NPK 12-0-0

Recommended use of the chemical and restrictions on use

Use only in accordance with label directions

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

No known significant effects or critical hazards.

Classification of the substance or mixture

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

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

Safety Data Sheet

Hi-Yield Blood Meal

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Blood, meal.	80 - 100 %

Trade secret statement (OSHA 1910.1200(i))

Any concentration shown as a range is to protect confidentiality or is due to batch variation.
Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	No unusual procedures required.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
In case of skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
In case of eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
If swallowed	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Personal protective equipment for first-aid responders	No unusual procedures required.

Most important symptoms/effects, acute and delayed

No data 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

Use an extinguishing agent suitable for the surrounding fire.

Specific hazards arising from the chemical

None known

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. If possible prevent runoff water from entering storm drains or bodies of water.

SECTION 6: Accidental release measures

Safety Data Sheet

Hi-Yield Blood Meal

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 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.

Respiratory protection

Generally not needed. If desired use OSHA approved 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.)
Odor
Odor threshold

Solid; Dark Brown to Black; Powder
Fertilizer
No data available.

Safety Data Sheet

Hi-Yield Blood Meal

pH	No data available.
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	No data available.
Solubility(ies)	Slightly Soluble.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

Additional properties

Physical state	Solid
Color	Dark Brown to Black
Explosive properties	No data available.
Oxidizing properties	No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

Reactivity

Non-reactive.

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

No known significant effects or critical hazards.LD50 Oral - Rat - > 5,000 mg/kg

LC50 Inhalation - Rat - > 5 mg/l - 4h

LD50 Dermal - Rat - > 5,000 mg/kg

Skin corrosion/irritation

No known significant effects or critical hazards.

Safety Data Sheet

Hi-Yield Blood Meal

Serious eye damage/irritation

No known significant effects or critical hazards.

Respiratory or skin sensitization

No known significant effects or critical hazards.

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.

Summary of evaluation of the CMR properties

No known significant effects or critical hazards.

Specific target organ toxicity (STOT) - single exposure

No known significant effects or critical hazards.

Specific target organ toxicity (STOT) - repeated exposure

No known significant effects or critical hazards.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

No data available.

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

Safety Data Sheet

Hi-Yield Blood Meal

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

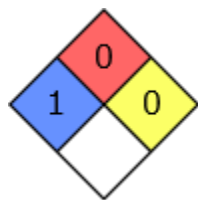
Toxic Substances Control Act (TSCA) Inventory

Not Determined

California Prop. 65 Components

Not Available

NFPA Rating



SECTION 16: Other information

No data available.

Further information/disclaimer

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