

SAFETY DATA SHEETS

This SDS packet was issued with item:

078478588

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078427617

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078359578



SAFETY DATA SHEET

Version 15.1

Revision Date: 06/01/2015

Print Date: 06/01/2015

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Biostart® Paste
Product Number: GN-286, GN-287
CAS Number: none

1.2 Recommended Use and Restrictions on Use

Identified Uses: Nutritional feed ingredient designed for animal diets for all classes of livestock, poultry, equine and pets.

1.3 Supplier Details

Company: Bio-Vet, Inc.
300 Ernie Drive
Barneveld, WI 53507
USA
Telephone: +1 608-924-7001
Fax: +1 608-924-7006

1.4 Emergency Telephone Number

Emergency Phone #: +1 608-924-7001

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Semi-solid to liquid.

2.2 GHS Label Elements, Including Precautionary Statements

Signal Word: N/A due to FDA Labeling Exemption

Hazard Statement(s): May be an eye irritant. Rinse eyes with plenty of water. Avoid ingesting. May cause breathing and swallowing difficulties if ingested.

Explosion Hazard: Feed is generally considered not hazardous.

2.3 Hazards not Otherwise Classified (HNOC) or Not Covered by GHS

None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

<u>Common Name</u>	<u>CAS #</u>	<u>Percentage (if present above cutoff levels</u>
Calcium carbonate	471-34-1	not applicable
Vegetable oil	none	not applicable
Active dry yeast	none	not applicable
Vitamin E	7695-91-2	not applicable
Microbial fermentation products	none	not applicable
Microbial fermentation extracts	none	not applicable
Vitamin A	127-47-9	not applicable
Vitamin D3	67-97-0	not applicable
Ascorbic acid	50-81-7	not applicable
Thiamine mononitrate	532-43-4	not applicable
Riboflavin	83-88-5	not applicable
Calcium pantothenate	137-08-6	not applicable
Pyridoxine hydrochloride	58-56-0	not applicable
Folic acid	59-30-3	not applicable
Biotin	58-85-5	not applicable
Vitamin B12 (cyanocobalamin)	68-19-9	not applicable

Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to doctor in attendance.

If inhaled: Unlikely. If breathed in, move person into fresh air. Seek medical attention for any breathing difficulty.

In case of skin contact: Wash off with soap and plenty of water. Consult physician for any skin irritation.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Rinse mouth with water. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Irritation of the mouth, throat and airway.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Faint feeling, dizziness or drop in blood pressure.

Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Use water spray, dry chemical or carbon dioxide.

5.2 Special Hazards Arising from the Substance or Mixture

No known hazards.

5.3 Special Protective Equipment and Precautions for Firefighters

None.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment.

6.2 Environmental Precautions

None.

6.3 Methods and Materials for Containment and Cleaning Up

Mop or sponge material. Do not use high pressure water spray to avoid dispersal as droplets into air.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Store this product in a cool, dry environment.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in closed containers. No known incompatibilities.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit values.

8.2 Appropriate Engineering Controls

Handle in accordance with good manufacturing hygiene and safety practices.

8.3 Individual Protection Measures

Eye / face protection: Safety glasses or goggles recommended.

Respiratory protection: Generally not a concern. General purpose dust mask similar to NIOSH Approved N95 Particulate Respirator is recommended if needed.

Skin protection: Gloves and long sleeves are recommended to minimize skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance: Tan semi-solid liquid or paste.

9.2 Odor: Fermented aroma.

9.3 Odor Threshold: No data available.

9.4 pH: 7.0-8.0.

9.5 Melting Point / Freezing Point: Not applicable.

9.6 Initial Boiling Point and Boiling Range: Not applicable.

9.7 Flash Point: No data available.

9.8 Evaporation Point: Not applicable.

9.9 Flammability (solid/gas): Slightly flammable. Will burn. NFPA rating=1.

9.10 Upper / Lower Flammability or Explosive Limits: Unknown.

9.11 Vapor Pressure: Not applicable.

9.12 Vapor Density: Not applicable.

9.13 Relative Density: 1.5 g/cm³

9.14 Solubility(ies): Slightly soluble in water.

9.15 Partition Coefficient: n-octanol/water: No data available.

- 9.16 Autoignition Temperature:** No data available.
- 9.17 Decomposition Temperature:** No data available.
- 9.18 Viscosity:** No data available.
- 9.19 Explosive Properties:** No data available.
- 9.20 Oxidizing Properties:** No data available.
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Section 10: STABILITY AND REACTIVITY

- 10.1 Chemical Stability:** Stable.
- 10.2 Possibility of Hazardous Reactions:** Will not occur.
- 10.3 Conditions to Avoid:** None.
- 10.4 Incompatible Materials:** No data available.
- 10.5 Hazardous Decomposition Products:** No data available.
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Section 11: TOXICOLOGICAL INFORMATION

11.1 Routes of Exposure:

Inhalation: UNLIKELY

Skin: YES

Eyes: YES

Ingestion: YES

11.2 Symptoms:

Ingestion may affect mouth and throat resulting in difficulty breathing or swallowing.

Contact with eyes and skin may cause redness and irritation.

11.3 Acute Exposure:

May be mechanical irritant to eyes and skin. Contact may cause burning sensation, redness, and irritation to skin and eyes.

11.4 Chronic Exposure:

No data available.

11.5 Numeric Measures of Toxicity:

No data available.

Section 12: ECOLOGICAL INFORMATION

No data available.

Section 13: DISPOSAL CONSIDERATIONS

In accordance with federal, state and local regulations.

Section 14: TRASPORT INFORMATION

DOT: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15: REGULATORY INFORMATION

Section (B) (5) (III) of the HSC (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust from the labeling requirements of the HSC since the food/feed is subject to the labeling requirements of the Food and Drug Administration (FDA).

Section 16: OTHER INFORMATION

Preparation Information: Bio-Vet, Inc. Version 15.1.
Revision Date: 06/01/2015.
Print Date: 06/01/2015.



SAFETY DATA SHEET

Version 15.1

Revision Date: 06/01/2015

Print Date: 06/01/2015

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Gener-Cap Capsules for Calves
Product Number: GN-104, GN-154
CAS Number: none

1.2 Recommended Use and Restrictions on Use

Identified Uses: Nutritional feed ingredient designed for animal diets for all classes of livestock, poultry, equine and pets.

1.3 Supplier Details

Company: Bio-Vet, Inc.
300 Ernie Drive
Barneveld, WI 53507
USA
Telephone: +1 608-924-7001
Fax: +1 608-924-7006

1.4 Emergency Telephone Number

Emergency Phone #: +1 608-924-7001

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Organic dust contained within gelatin capsule.

2.2 GHS Label Elements, Including Precautionary Statements

Signal Word: N/A due to FDA Labeling Exemption

Hazard Statement(s): May be an eye irritant. Rinse eyes with plenty of water. Avoid breathing dust. May cause breathing difficulties if inhaled. Excessive inhalation may affect nose, throat, and lungs.

Explosion Hazard: Feed is generally considered not hazardous. If exposed to an ignition source, feed dust may burn. Airborne dust in sufficient concentrations when exposed to an ignition source may flash, or, in confined situation, may fuel an explosion.

2.3 Hazards not Otherwise Classified (HNOC) or Not Covered by GHS

None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

<u>Common Name</u>	<u>CAS #</u>	<u>Percentage (if present above cutoff levels</u>
Vitamin A	127-47-9	not applicable
Vitamin D3	67-97-0	not applicable
Vitamin E	7695-91-2	not applicable
Thiamine mononitrate	532-43-4	not applicable
Riboflavin	83-88-5	not applicable
Niacin	98-92-0	not applicable
Calcium pantothenate	137-08-6	not applicable
Pyridoxine hydrochloride	58-56-0	not applicable
Vitamin B12 (cyanocobalamin)	68-19-9	not applicable
Biotin	58-85-5	not applicable
Folic acid	59-30-3	not applicable
Ascorbic acid	50-81-7	not applicable
Kelp	none	not applicable
Active dry yeast	none	not applicable
Selenium	7782-49-2	not applicable
Zinc	7440-66-6	not applicable
Inulin	9005-80-5	not applicable
Iron	7439-89-6	not applicable
Manganese	7439-96-5	not applicable
Choline chloride	67-48-1	not applicable
Copper	7440-50-8	not applicable
Cobalt	7440-48-4	not applicable

Egg products	none	not applicable
Microbial fermentation products	none	not applicable
Sodium aluminosilicate	1344-00-9	not applicable
Gelatin	9000-70-8	not applicable

Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to doctor in attendance.

If inhaled: Unlikely. If breathed in, move person into fresh air. Seek medical attention for any breathing difficulty.

In case of skin contact: Wash off with soap and plenty of water. Consult physician for any skin irritation.

In case of eye contact: Unlikely. Flush eyes with water as a precaution.

If swallowed: Unlikely. Rinse mouth with water. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Difficulty breathing. Irritation of the airway.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Difficulty breathing.

Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Use water spray, dry chemical or carbon dioxide.

5.2 Special Hazards Arising from the Substance or Mixture

No known hazards.

5.3 Special Protective Equipment and Precautions for Firefighters

None.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

6.2 Environmental Precautions

None.

6.3 Methods and Materials for Containment and Cleaning Up

Vacuum or sweep material. Do not use compressed air to avoid dispersal as dust into air.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Store this product in a cool, dry environment. Avoid generating dust and handling of broken capsules.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in closed containers. No known incompatibilities.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit values.

8.2 Appropriate Engineering Controls

Handle in accordance with good manufacturing hygiene and safety practices.

8.3 Individual Protection Measures

Eye / face protection: Generally not a concern. Safety glasses or goggles recommended.

Respiratory protection: Generally not a concern. General purpose dust mask similar to NIOSH Approved N95 Particulate Respirator is recommended if needed.

Skin protection: Generally not a concern. Gloves and long sleeves are recommended to minimize skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Appearance:** Clear gelatin capsule containing white to tan granular powder.
 - 9.2 **Odor:** Fermented aroma.
 - 9.3 **Odor Threshold:** No data available.
 - 9.4 **pH:** 7.0-8.0.
 - 9.5 **Melting Point / Freezing Point:** Not applicable.
 - 9.6 **Initial Boiling Point and Boiling Range:** Not applicable.
 - 9.7 **Flash Point:** No data available.
 - 9.8 **Evaporation Point:** Not applicable.
 - 9.9 **Flammability (solid/gas):** Slightly flammable. Will burn. NFPA rating=1.
 - 9.10 **Upper / Lower Flammability or Explosive Limits:** Unknown.
 - 9.11 **Vapor Pressure:** Not applicable.
 - 9.12 **Vapor Density:** Not applicable.
 - 9.13 **Relative Density:** 1 g/cm³
 - 9.14 **Solubility(ies):** Slightly soluble in water.
 - 9.15 **Partition Coefficient: n-octanol/water:** No data available.
 - 9.16 **Autoignition Temperature:** No data available.
 - 9.17 **Decomposition Temperature:** No data available.
 - 9.18 **Viscosity:** Not applicable.
 - 9.19 **Explosive Properties:** No data available.
 - 9.20 **Oxidizing Properties:** No data available.
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Section 10: STABILITY AND REACTIVITY

- 10.1 **Chemical Stability:** Stable.
 - 10.2 **Possibility of Hazardous Reactions:** Will not occur.
 - 10.3 **Conditions to Avoid:** None.
 - 10.4 **Incompatible Materials:** No data available.
 - 10.5 **Hazardous Decomposition Products:** No data available.
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Section 11: TOXICOLOGICAL INFORMATION

- 11.1 **Routes of Exposure:**
 - Inhalation: UNLIKELY
 - Skin: YES
 - Eyes: UNLIKELY

Ingestion: YES

11.2 Symptoms:

Excessive inhalation of dust may affect nose, throat and lungs resulting in difficulty breathing. Ingestion may lead to feeling faint or flush possibly with a drop in blood pressure.

11.3 Acute Exposure:

May be mechanical irritant to eyes and skin. Faint or flush feeling with drop in blood pressure.

11.4 Chronic Exposure:

Chronic and repeated exposure to dust may affect respiratory system.

11.5 Numeric Measures of Toxicity:

No data available.

Section 12: ECOLOGICAL INFORMATION

No data available.

Section 13: DISPOSAL CONSIDERATIONS

In accordance with federal, state and local regulations.

Section 14: TRASPORT INFORMATION

DOT: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15: REGULATORY INFORMATION

Section (B) (5) (III) of the HSC (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust from the labeling requirements of the HSC since the

food/feed is subject to the labeling requirements of the Food and Drug Administration (FDA).

Section 16: OTHER INFORMATION

Preparation Information: Bio-Vet, Inc. Version 15.1.
Revision Date: 06/01/2015.
Print Date: 06/01/2015.



SAFETY DATA SHEET

Version 19.1

Revision Date: 02/01/2019

Print Date: 02/01/2019

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Gener-Cap Capsules for Calves
Product Number: GN-00104, GN-00154
CAS Number: none

1.2 Recommended Use and Restrictions on Use

Identified Uses: Nutritional feed ingredient designed for animal diets.

1.3 Supplier Details

Company: Bio-Vet, Inc.
300 Ernie Drive
Barneveld, WI 53507
USA
Telephone: +1 608-924-7001
Fax: +1 608-924-7006

1.4 Emergency Telephone Number

Emergency Phone #: +1 608-924-7001

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Organic dust contained within gelatin capsule.

2.2 GHS Label Elements, Including Precautionary Statements

Signal Word: N/A due to FDA Labeling Exemption

Hazard Statement(s): May be an eye irritant. Rinse eyes with plenty of water. Avoid breathing dust. May cause breathing difficulties if inhaled. Excessive inhalation may affect nose, throat, and lungs.

Explosion Hazard: Feed is generally considered not hazardous. If exposed to an ignition source, feed dust may burn. Airborne dust in sufficient concentrations when exposed to an ignition source may flash, or, in confined situation, may fuel an explosion.

2.3 Hazards not Otherwise Classified (HNOC) or Not Covered by GHS

None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

<u>Common Name</u>	<u>CAS #</u>	<u>Percentage (if present above cutoff levels</u>
Vitamin A	127-47-9	not applicable
Vitamin D3	67-97-0	not applicable
Vitamin E	7695-91-2	not applicable
Thiamine mononitrate	532-43-4	not applicable
Riboflavin	83-88-5	not applicable
Niacin	98-92-0	not applicable
Calcium pantothenate	137-08-6	not applicable
Pyridoxine hydrochloride	58-56-0	not applicable
Vitamin B12 (cyanocobalamin)	68-19-9	not applicable
Biotin	58-85-5	not applicable
Folic acid	59-30-3	not applicable
Ascorbic acid	50-81-7	not applicable
Kelp	none	not applicable
Active dry yeast	none	not applicable
Selenium	7782-49-2	not applicable
Zinc	7440-66-6	not applicable
Inulin	9005-80-5	not applicable
Iron	7439-89-6	not applicable
Manganese	7439-96-5	not applicable
Choline chloride	67-48-1	not applicable
Copper	7440-50-8	not applicable
Cobalt	7440-48-4	not applicable

Egg products	none	not applicable
Microbial fermentation products	none	not applicable
Sodium aluminosilicate	1344-00-9	not applicable
Gelatin	9000-70-8	not applicable

Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to doctor in attendance.

If inhaled: Unlikely. If breathed in, move person into fresh air. Seek medical attention for any breathing difficulty.

In case of skin contact: Wash off with soap and plenty of water. Consult physician for any skin irritation.

In case of eye contact: Unlikely. Flush eyes with water as a precaution.

If swallowed: Unlikely. Rinse mouth with water. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Difficulty breathing. Irritation of the airway.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Difficulty breathing.

Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Use water spray, dry chemical or carbon dioxide.

5.2 Special Hazards Arising from the Substance or Mixture

No known hazards.

5.3 Special Protective Equipment and Precautions for Firefighters

None.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

6.2 Environmental Precautions

None.

6.3 Methods and Materials for Containment and Cleaning Up

Vacuum or sweep material. Do not use compressed air to avoid dispersal as dust into air.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Store this product in a cool, dry environment. Avoid generating dust and handling of broken capsules.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in closed containers. No known incompatibilities.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit values.

8.2 Appropriate Engineering Controls

Handle in accordance with good manufacturing hygiene and safety practices.

8.3 Individual Protection Measures

Eye / face protection: Generally not a concern. Safety glasses or goggles recommended.

Respiratory protection: Generally not a concern. General purpose dust mask similar to NIOSH Approved N95 Particulate Respirator is recommended if needed.

Skin protection: Generally not a concern. Gloves and long sleeves are recommended to minimize skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Appearance:** Clear gelatin capsule containing white to tan granular powder.
 - 9.2 **Odor:** Fermented aroma.
 - 9.3 **Odor Threshold:** No data available.
 - 9.4 **pH:** 7.0-8.0.
 - 9.5 **Melting Point / Freezing Point:** Not applicable.
 - 9.6 **Initial Boiling Point and Boiling Range:** Not applicable.
 - 9.7 **Flash Point:** No data available.
 - 9.8 **Evaporation Point:** Not applicable.
 - 9.9 **Flammability (solid/gas):** Slightly flammable. Will burn. NFPA rating=1.
 - 9.10 **Upper / Lower Flammability or Explosive Limits:** Unknown.
 - 9.11 **Vapor Pressure:** Not applicable.
 - 9.12 **Vapor Density:** Not applicable.
 - 9.13 **Relative Density:** 1 g/cm³
 - 9.14 **Solubility(ies):** Slightly soluble in water.
 - 9.15 **Partition Coefficient: n-octanol/water:** No data available.
 - 9.16 **Autoignition Temperature:** No data available.
 - 9.17 **Decomposition Temperature:** No data available.
 - 9.18 **Viscosity:** Not applicable.
 - 9.19 **Explosive Properties:** No data available.
 - 9.20 **Oxidizing Properties:** No data available.
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Section 10: STABILITY AND REACTIVITY

- 10.1 **Chemical Stability:** Stable.
 - 10.2 **Possibility of Hazardous Reactions:** Will not occur.
 - 10.3 **Conditions to Avoid:** None.
 - 10.4 **Incompatible Materials:** No data available.
 - 10.5 **Hazardous Decomposition Products:** No data available.
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Section 11: TOXICOLOGICAL INFORMATION

- 11.1 **Routes of Exposure:**
 - Inhalation: UNLIKELY
 - Skin: YES
 - Eyes: UNLIKELY

Ingestion: YES

11.2 Symptoms:

Excessive inhalation of dust may affect nose, throat and lungs resulting in difficulty breathing. Ingestion may lead to feeling faint or flush possibly with a drop in blood pressure.

11.3 Acute Exposure:

May be mechanical irritant to eyes and skin. Faint or flush feeling with drop in blood pressure.

11.4 Chronic Exposure:

Chronic and repeated exposure to dust may affect respiratory system.

11.5 Numeric Measures of Toxicity:

No data available.

Section 12: ECOLOGICAL INFORMATION

No data available.

Section 13: DISPOSAL CONSIDERATIONS

In accordance with federal, state and local regulations.

Section 14: TRASPORT INFORMATION

DOT: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Section 15: REGULATORY INFORMATION

Section (B) (5) (III) of the HSC (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust from the labeling requirements of the HSC since the

food/feed is subject to the labeling requirements of the Food and Drug Administration (FDA).

Section 16: OTHER INFORMATION

Preparation Information: Bio-Vet, Inc. Version 19.1.
Revision Date: 02/01/2019.
Print Date: 02/01/2019.



SAFETY DATA SHEET

Version 19.1

Revision Date: 02/01/2019

Print Date: 02/01/2019

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Biostart® Paste
Product Number: GN-00286, GN-00287
CAS Number: none

1.2 Recommended Use and Restrictions on Use

Identified Uses: Nutritional feed ingredient designed for animal diets.

1.3 Supplier Details

Company: Bio-Vet, Inc.
300 Ernie Drive
Barneveld, WI 53507
USA
Telephone: +1 608-924-7001
Fax: +1 608-924-7006

1.4 Emergency Telephone Number

Emergency Phone #: +1 608-924-7001

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Semi-solid to liquid.

2.2 GHS Label Elements, Including Precautionary Statements

Signal Word: N/A due to FDA Labeling Exemption

Hazard Statement(s): May be an eye irritant. Rinse eyes with plenty of water. Avoid ingesting. May cause breathing and swallowing difficulties if ingested.

Explosion Hazard: Feed is generally considered not hazardous.

2.3 Hazards not Otherwise Classified (HNOC) or Not Covered by GHS

None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

<u>Common Name</u>	<u>CAS #</u>	<u>Percentage (if present above cutoff levels</u>
Calcium carbonate	471-34-1	not applicable
Vegetable oil	none	not applicable
Active dry yeast	none	not applicable
Vitamin E	7695-91-2	not applicable
Microbial fermentation products	none	not applicable
Microbial fermentation extracts	none	not applicable
Vitamin A	127-47-9	not applicable
Vitamin D3	67-97-0	not applicable
Ascorbic acid	50-81-7	not applicable
Thiamine mononitrate	532-43-4	not applicable
Riboflavin	83-88-5	not applicable
Calcium pantothenate	137-08-6	not applicable
Pyridoxine hydrochloride	58-56-0	not applicable
Folic acid	59-30-3	not applicable
Biotin	58-85-5	not applicable
Vitamin B12 (cyanocobalamin)	68-19-9	not applicable

Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to doctor in attendance.

If inhaled: Unlikely. If breathed in, move person into fresh air. Seek medical attention for any breathing difficulty.

In case of skin contact: Wash off with soap and plenty of water. Consult physician for any skin irritation.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Rinse mouth with water. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Irritation of the mouth, throat and airway.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Faint feeling, dizziness or drop in blood pressure.

Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Use water spray, dry chemical or carbon dioxide.

5.2 Special Hazards Arising from the Substance or Mixture

No known hazards.

5.3 Special Protective Equipment and Precautions for Firefighters

None.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment.

6.2 Environmental Precautions

None.

6.3 Methods and Materials for Containment and Cleaning Up

Mop or sponge material. Do not use high pressure water spray to avoid dispersal as droplets into air.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Store this product in a cool, dry environment.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in closed containers. No known incompatibilities.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit values.

8.2 Appropriate Engineering Controls

Handle in accordance with good manufacturing hygiene and safety practices.

8.3 Individual Protection Measures

Eye / face protection: Safety glasses or goggles recommended.

Respiratory protection: Generally not a concern. General purpose dust mask similar to NIOSH Approved N95 Particulate Respirator is recommended if needed.

Skin protection: Gloves and long sleeves are recommended to minimize skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance: Tan semi-solid liquid or paste.

9.2 Odor: Fermented aroma.

9.3 Odor Threshold: No data available.

9.4 pH: 7.0-8.0.

9.5 Melting Point / Freezing Point: Not applicable.

9.6 Initial Boiling Point and Boiling Range: Not applicable.

9.7 Flash Point: No data available.

9.8 Evaporation Point: Not applicable.

9.9 Flammability (solid/gas): Slightly flammable. Will burn. NFPA rating=1.

9.10 Upper / Lower Flammability or Explosive Limits: Unknown.

9.11 Vapor Pressure: Not applicable.

9.12 Vapor Density: Not applicable.

9.13 Relative Density: 1.5 g/cm³

9.14 Solubility(ies): Slightly soluble in water.

9.15 Partition Coefficient: n-octanol/water: No data available.

- 9.16 Autoignition Temperature:** No data available.
- 9.17 Decomposition Temperature:** No data available.
- 9.18 Viscosity:** No data available.
- 9.19 Explosive Properties:** No data available.
- 9.20 Oxidizing Properties:** No data available.
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Section 10: STABILITY AND REACTIVITY

- 10.1 Chemical Stability:** Stable.
- 10.2 Possibility of Hazardous Reactions:** Will not occur.
- 10.3 Conditions to Avoid:** None.
- 10.4 Incompatible Materials:** No data available.
- 10.5 Hazardous Decomposition Products:** No data available.
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Section 11: TOXICOLOGICAL INFORMATION

11.1 Routes of Exposure:

Inhalation: UNLIKELY

Skin: YES

Eyes: YES

Ingestion: YES

11.2 Symptoms:

Ingestion may affect mouth and throat resulting in difficulty breathing or swallowing.

Contact with eyes and skin may cause redness and irritation.

11.3 Acute Exposure:

May be mechanical irritant to eyes and skin. Contact may cause burning sensation, redness, and irritation to skin and eyes.

11.4 Chronic Exposure:

No data available.

11.5 Numeric Measures of Toxicity:

No data available.

Section 12: ECOLOGICAL INFORMATION

No data available.

Section 13: DISPOSAL CONSIDERATIONS

In accordance with federal, state and local regulations.

Section 14: TRASPORT INFORMATION

DOT: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15: REGULATORY INFORMATION

Section (B) (5) (III) of the HSC (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust from the labeling requirements of the HSC since the food/feed is subject to the labeling requirements of the Food and Drug Administration (FDA).

Section 16: OTHER INFORMATION

Preparation Information: Bio-Vet, Inc. Version 19.1.
Revision Date: 02/01/2019.
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