



BG-Max™

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 09/03/2015 Date of issue: 09/03/2015

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: BG-Max™

Intended Use of the Product

Animal nutrition

Name, Address, and Telephone of the Responsible Party

Company

Church & Dwight

500 Charles Ewing Blvd

Ewing Township, NJ 08628

T 1-800-526-3563

www.ahdairy.com

Emergency Telephone Number

Emergency Number : For Medical Emergency: 1-888-234-1828, For Chemical Emergency: 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Combustible Dust

Full text of H-phrases: see section 16

Label Elements

GHS-US Labeling

Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : May form combustible dust concentrations in air.

Other Hazards Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Name | Product Identifier | % (w/w) | Classification (GHS-US) |
|------------------------------|-----------------------------------|----------|---|
| Processed grain by-products | AAFCO 22.5 | 60 - 100 | Combustible Dust |
| Zeolite | (CAS No) 1318-02-1 | 10 - 30 | Acute Tox. 4 (Inhalation:dust,mist), H332 |
| Yeast | (CAS No) 68876-77-7 AAFCO 96.1 | 1 - 5 | Combustible Dust |
| White mineral oil, petroleum | (CAS No) 8042-47-5 | 0.1 - 1 | Asp. Tox. 1, H304 |

This product contains a blend of feed and/or foodstuffs. All ingredients contained in this product are defined as feed ingredients by the Association of American Feed Control Officials (AAFCO). All ingredients are used in accordance with the definitions provided for by AAFCO.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

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Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use. Dust may cause mechanical irritation to eyes, nose, throat, and lungs.

Inhalation: Dust may be harmful or cause irritation.

Skin Contact: Prolonged exposure may cause mechanical irritation.

Eye Contact: May cause slight irritation to eyes.

Ingestion: Ingestion is not expected to be harmful.

Chronic Symptoms: None known.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible Dust.

Explosion Hazard: Dust explosion hazard in air.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Smoke.

Other Information: Risk of dust explosion.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools.

Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Relative humidity should not exceed 75%.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Storage Temperature: < 32 °C (90 °F)

Specific End Use(s) Animal nutrition

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

| Particulates not otherwise classified (PNOC) | | |
|--|--|--|
| USA ACGIH | ACGIH TWA (mg/m ³) | 3 mg/m ³ Respirable fraction 10 mg/m ³ Total Dust |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 5 mg/m ³ Respirable fraction 15 mg/m ³ Total Dust |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ (total) 3 mg/m ³ (respirable) |
| British Columbia | OEL TWA (mg/m ³) | 10 mg/m ³ (total dust) 3 mg/m ³ (respirable fraction) |
| Manitoba | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particles, recommended) 3 mg/m ³ (respirable particles, recommended) |
| New Brunswick | OEL TWA (mg/m ³) | 3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) 10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica, inhalable fraction) |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particles, recommended) 3 mg/m ³ (respirable particles, recommended) |
| Nova Scotia | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particles, recommended) 3 mg/m ³ (respirable particles, recommended) |
| Nunavut | OEL TWA (mg/m ³) | 5 mg/m ³ (respirable mass) 10 mg/m ³ (total mass) |
| Northwest Territories | OEL TWA (mg/m ³) | 5 mg/m ³ (respirable mass) 10 mg/m ³ (total mass) |
| Ontario | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable) 3 mg/m ³ (respirable) |
| Prince Edward Island | OEL TWA (mg/m ³) | 10 mg/m ³ (inhalable particles, recommended) 3 mg/m ³ (respirable particles, recommended) |
| Québec | VEMP (mg/m ³) | 10 mg/m ³ (including dust, inert or nuisance particulates; containing no Asbestos and <1% Crystalline silica-total dust) |
| Saskatchewan | OEL STEL (mg/m ³) | 20 mg/m ³ (insoluble or poorly soluble-inhalable fraction) 6 mg/m ³ (insoluble or poorly soluble-respirable fraction) |
| Saskatchewan | OEL TWA (mg/m ³) | 10 mg/m ³ (insoluble or poorly soluble-inhalable fraction) 3 mg/m ³ (insoluble or poorly soluble-respirable fraction) |

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Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Dust formation: dust mask.



Materials for Protective Clothing: Wear suitable protective clothing.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical safety goggles.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | |
|---|---|
| Physical State | : Solid |
| Appearance | : Brown free-flowing, granular mixture |
| Odor | : Mild yeast odor |
| Odor Threshold | : Not available |
| pH | : Not available |
| Evaporation Rate | : Not available |
| Melting Point | : Not available |
| Freezing Point | : Not available |
| Boiling Point | : Not available |
| Flash Point | : Not available |
| Auto-ignition Temperature | : Not available |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Explosive Limit | : Not available |
| Upper Explosive Limit | : Not available |
| Vapor Pressure | : Not available |
| Relative Vapor Density at 20 °C | : Not available |
| Relative Density | : Not available |
| Specific gravity / density | : 34 lb/ft ³ |
| Solubility | : Not available |
| Partition Coefficient: N-Octanol/Water | : Not available |
| Viscosity | : Not available |
| Explosion Data – Sensitivity to Mechanical Impact | : Not expected to present an explosion hazard due to mechanical impact. |
| Explosion Data – Sensitivity to Static Discharge | : Static discharge could act as an ignition source. |

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Generation of airborne dust.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition generates: Carbon oxides (CO, CO₂). Smoke.

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SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Dust may be harmful or cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause mechanical irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion is not expected to be harmful.

Chronic Symptoms: None known.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| | |
|---|-------------------------------|
| White mineral oil, petroleum (8042-47-5) | |
| LD50 Oral Rat | > 5000 mg/kg |
| Zeolite (1318-02-1) | |
| LD50 Oral Rat | 5000 mg/kg |
| LD50 Dermal Rabbit | > 2000 mg/kg |
| LC50 Inhalation Rat | 2.4 mg/l (Exposure time: 1 h) |
| ATE US (oral) | 5,000.00 mg/kg body weight |
| ATE US (vapors) | 2.40 mg/l/4h |
| ATE US (dust, mist) | 2.40 mg/l/4h |
| Zeolite (1318-02-1) | |
| IARC Group | 3 |

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Not classified.

| | |
|---|---|
| White mineral oil, petroleum (8042-47-5) | |
| LC50 Fish 1 | > 10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |
| Zeolite (1318-02-1) | |
| LC50 Fish 1 | 1800 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static]) |
| EC50 Daphnia 1 | 1000 - 1800 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC 50 Fish 2 | 3200 - 5600 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static]) |

Persistence and Degradability Not established

Bioaccumulative Potential

| | |
|---|-----|
| White mineral oil, petroleum (8042-47-5) | |
| Log POW | > 6 |

Mobility in Soil Not available

Other Adverse Effects Not established

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations

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SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport

In Accordance with IMDG Not regulated for transport

In Accordance with IATA Not regulated for transport

In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

| | |
|---|---------------------------------|
| BG-Max™ | |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
| Yeast extract (8013-01-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| White mineral oil, petroleum (8042-47-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

US State Regulations

Neither this product nor its chemical components appear on any US state lists.

Canadian Regulations

| | |
|---|---|
| BG-Max™ | |
| Uncontrolled product according to WHMIS classification criteria | |
| Yeast extract (8013-01-2) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| White mineral oil, petroleum (8042-47-5) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 09/03/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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T 1-800-526-3563

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