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**Safety Data Sheet****Animal Medic Ruminant MBO**

Section 1: Identification	
<b>Product name:</b> Animal Medic Ruminant MBO <b>Intended Use:</b> For Animal Feed Use Only	<b>Contact Information:</b> Kauffman's Animal Health, Inc 21 Keystone Drive Lebanon, PA 17042 Phone: 1-800-332-5244 <b>Emergency Telephone Number:</b> 1-800-332-5244

Section 2: Hazards Identification	
<b>Classification:</b>	Combustible dust/respiratory hazard.
<b>Hazard Statement(s):</b>	Category 2 serious eye damage/eye irritant. Category 1 respiratory sensitizer. Category 2 skin corrosive/irritant. Category 3 specific target organ toxicity single exposure (respiratory irritant). Category 1A reproductive toxicity. May cause coughing, sneezing and/or respiratory irritation if inhaled. May cause skin dryness and irritation. Ingesting large amounts may be harmful. May create a flash fire or explosion hazard if dust of certain particle size is suspended in the air at a sufficient concentration in a confined space and exposed to an ignition source.
<b>Precautionary Statement(s):</b>	May be mechanical eye irritant. Rinse eyes with water for several minutes. Avoid breathing dust. Excessive inhalation may affect nose, throat and lungs. Feed dust may burn if suspended in air and may create a flash fire/explosion hazard. Avoid ignition sources.
<b>Emergency Overview:</b>	May be mechanical eye irritant. Excessive inhalation of feed dusts may affect nose, throat and lungs. May form combustible dust concentration in the air.
<b>Explosion Hazard:</b>	Feed is generally considered not hazardous, but dust generated through downstream activities that may reduce its particle size (eg, shipping, handling, transfer to bins, etc) may create a hazardous condition. 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 a confined situation, may fuel an explosion.

### Section 3: Composition/Information on Ingredients

Component:	% by Weight
Prepared Animal Feed - Animal Medic Ruminant MBO	100
Ingredients: organic wheat middlings, ground limestone, active dry yeast, maltodextrin, dried Bacillus amyloliquefaciens fermentation extract, dried Aspergillus oryzae fermentation extract, silicon dioxide, mineral oil, potato dextrin, vitamin E supplement, dried Bacillus subtilis fermentation extract, dried Enterococcus faecium fermentation product, dried Lactobacillus acidophilus fermentation product, dried Bifidobacterium pseudolongum fermentation product, dried Lactobacillus plantarum fermentation product, Saccharomyces cerevisiae yeast culture, vitamin A supplement, dried Bacillus licheniformis fermentation product, vitamin D <sub>3</sub> supplement.	
Calcium Carbonate/Ground Limestone	25 ≥ 35
Multizyme II	≤ 5
Vitamin A Supplement	≤ 0.5

All ingredients contained in this product are either defined as feed ingredients as established by the Association of American Feed Control Officials (AAFCO) or considered Generally Recognized as Safe (GRAS) as established by the US federal regulations for food additives as governed by the US Food and Drug Administration. All ingredients are used in accordance with the definitions provided for by the above governing bodies.

### Section 4: First-Aid Measures

<b>Eye Contact:</b>	Flush eyes immediately with copious amounts of clean water for 15 minutes. If irritation or redness persists, seek medical attention.
<b>Skin Contact:</b>	Wash with soap and water. If skin surface is damaged, apply a clean dressing. Wash contaminated clothing before reuse. If irritation or redness develops, seek medical attention immediately.
<b>Inhalation:</b>	Move to fresh air. If breathing becomes difficult, seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Seek medical attention.

### Section 5: Fire Fighting Measures

<b>Hazardous Combustion Products:</b>	Oxides of carbon.
<b>Special Fire Fighting Procedures:</b>	Extinguish with water fog, dry chemical powders or foam. Do not use strong streams of water or dry chemical if dust can be dispersed into the air. Dust placed in suspension with an ignition source present may flash or explode.
<b>Unusual Fire and Explosion Hazards:</b>	Explosion hazard may exist for combustible dust of certain particle size and moisture content when suspended in air at certain concentrations and subjected to an ignition source.



#### Section 6: Accidental Release Measures

Clean up with soft bristle brooms or a vacuum approved for a Class II hazardous location. Dust deposits should be maintained to a minimum on surfaces, as these could form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (ie, cleaning dust surfaces with compressed air in the presence of an ignition source should not be allowed). Use non-sparking tools.

#### Section 7: Handling and Storage

##### Precautions for Safe Handling:

Do not ingest. Do not breathe dust. Wear suitable protective clothing. Individuals with known allergies to enzyme preparations and/or common animal feed ingredients should use caution when handling this product.

Remove feed dust from area/processing equipment prior to using any heat producing equipment such as arc welders, cutting torches and spark/heat producing tools.

##### Safe Storage Conditions:

Keep container in a cool, dry, well-ventilated area. Keep container tightly closed.

##### Storage Incompatibilities:

Avoid high humidity, sunlight and ignition sources.

#### Section 8: Exposure Controls/Personal Protection

##### Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels low. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work areas. Use only appropriately classified electrical equipment and powered industrial trucks.

##### Personal Protection:

Eye/face: Protective goggles or face shields recommended.

Skin: Wear impervious gloves and suitable protective clothing.

Respiratory: May cause irritation of the nasal membranes or the upper respiratory tract if dust exceeds the nuisance level. Wear an approved NIOSH dust respirator whenever dust concentrations in the work area are above ACGIH TLV/OSHA PELs.

##### Work/Hygiene Practices:

Good personal hygiene practices should be followed. Wash hands and face before eating, drinking, etc.

Avoid dust accumulation and control ignition sources. Where appropriate, employ grounding, venting and explosion relief provisions in accordance with accepted engineering practices in processes capable of generating dust and/or static electricity. Avoid accumulation of dust on surfaces to prevent secondary dust explosions. Refer to appropriate OSHA, NFPA and applicable standards.

#### Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Light Tan Granular Powder		
<b>Odor:</b>	Bland		
<b>Flash Point (Method):</b>	N/A		
<b>Flammable Limits:</b>	LEL:	Variable	UEL: Unknown
<b>Autoignition Temperature:</b>	Unknown		



Section 10: Stability and Reactivity		
<b>Stability:</b>	Stable: X	Unstable:
<b>Conditions to Avoid:</b>	Dispersing dust in air; exposure to potential ignition sources.	
<b>Incompatibility (Materials to Avoid):</b>	None known.	
<b>Hazardous Decomposition or Byproducts:</b>	None known.	
<b>Hazardous Polymerization:</b>	Will Not Occur: X	May Occur:
<b>Corrosivity:</b>	Not available.	
<b>Conditions to Avoid:</b>	N/A	

Section 11: Toxicological Information		
<b>Routes of Entry:</b>	Inhalation: X	Skin: X Eyes: X Ingestion: Unlikely
<b>Carcinogenicity:</b>	NTP: No	ARC Monographs: No OSHA Regulated: No
<b>Acute:</b>	May be mechanical irritant to skin and eyes. Excessive inhalation of feed dusts may affect the nose, throat and lungs.	
<b>Chronic:</b>	Repeated and prolonged inhalation of feed dusts may affect the respiratory system. Smokers have an increased risk of respiratory effects.	
<b>Signs/Symptoms of Exposure:</b>	Irritation to the skin, eyes, nose or throat may occur. Some people may occasionally experience coughing.	
<b>Medical Conditions Generally Aggravated by Exposure:</b>	Allergies and respiratory ailments.	

Section 12: Ecological Information (Non-Mandatory)

Section 13: Disposal Considerations (Non-Mandatory)

Section 14: Transport Information (Non-Mandatory)

Section 15: Regulatory Information (Non-Mandatory)
Section (B)(5)(III) of the HCS (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust, from the labeling requirements of the HCS since the food/feed is subject to the labeling requirements of the Food & Drug Administration.

Section 16: Other Information	
<b>Creation Date:</b>	02/04/16
<b>Issue Date:</b>	02/05/16
<b>Previous Issue Date:</b>	N/A
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