



Revision Date: 09/07/18



SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

PRODUCTION IDENTIFICATION	Habilac- Organic Rumen Bypass Fat
RECOMMENDED APPLICATION	Rumen bypass energy for ruminants
MANUFACTURED FOR:	Perdue AgriBusiness, LLC 6909 Zion Church Road Salisbury, MD 21804
24 HOURS EMERGENCY CONTACT DETAILS	1-888-958-1967
Emergency Phone:	1-888-958-1967

SECTION 2 – HAZARDS IDENTIFICATION

Not expected to present a significant health hazard under anticipated conditions of normal use. Dust may cause mechanical irritation to eyes, nose, throat, and lungs. Exposure may aggravate those with pre-existing eye, skin, or respiratory problems.

INGESTION	Not expected to be harmful.
SKIN CONTACT	Prolonged exposure may cause irritation.
EYE CONTACT	May cause slight irritation.
INHALATION	Dust maybe harmful or cause irritation.

May form combustible dust concentrations in air.

SECTION 3 – COMPOSITION & INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION	Calcium salts of long chain fatty acids AAFCO 33/14
ADDITIVES / STABILIZING AGENTS	None



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SECTION 4 – FIRST AID MEASURES

INGESTION	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.
SKIN CONTACT	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
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.
INHALATION	Using proper respiratory protection, move to fresh air immediately. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediate call a poison control center, physician, or emergency medical service.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABILITY	Fire Hazard: Combustible Dust; Explosion Hazard: Dust explosion hazard in air; Reactivity: Hazardous reactions will not occur under normal conditions.
HAZARDOUS COMBUSTION PRODUCTS	Carbon Oxide (CO, CO ₂). Calcium Oxide. Smoke.
EXTINGUISHING MEDIA	Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂). Do NOT use a heavy water stream, this may spread fire.
SPECIAL FIRE FIGHTING PROCEDURES	Precautionary Measures: Exercise caution when fighting any chemical fire. Firefighting Instructions: Use water spray or fog for cooling exposed containers. Protection: Do not enter fire area without proper protective equipment, including respiratory protection. Other: Risk of dust explosion

SECTION 6 – ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS	Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during the clean-up of spills. Use explosion proof vacuum during clean-up 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.
WASTE DISPOSAL METHODS	Observe all local, state and federal regulations. Prevent entry into sewers and public waters. Contact competent authorities after a spill.
PROTECTIVE EQUIPMENTS	Use appropriate personal protection equipment (PPE).



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SECTION 7 – HANDLING AND STORAGE PROCEDURES

Store in clean and dry area under shade and away from all direct heat & possible ignition sources. Relative humidity should not exceed 75%. 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. Handle in accordance with good industrial hygiene and safety procedures. Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, and lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

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

Storage Temperature: Below 32 degrees C (90 degrees F)

Specific End Use(s): Animal Feed Supplement

SECTION 8- EXPOSURES, CONTROLS AND PERSONAL PROTECTION MEASURES

OSHA PERMISSIBLE EXPOSURE LIMITS (PELVS)	5 mg/m ³ Respirable fraction 15 mg/m ³ Total Dust
THRESHOLD LIMITED VALUES (TLVS)	Not established
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.
PERSONAL PROTECTIVE EQUIPMENT	Gloves, protective clothing, protective eyewear, dust mask.
EXCEPTIONS	N/A
RESPIRATORY SYSTEM	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
SKIN AND BODY	Wear suitable protective clothing to shield skin from dust particles.
HANDS	Impervious gloves
EYES	Chemical safety goggles are recommended.
OTHERS / SPECIAL	When using, do not eat, drink, or smoke.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Tan to light brown; granular material
ODOR	Typical fatty acid odor
VAPOR PRESSURE	1mm Hg
VAPOR DENSITY	Not available
pH	Not available
MELTING POINT	Not available
SOLUBILITY IN WATER	Water: Negligible
SOLUBILITY IN SOLVENTS	Not available



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BOILING POINT	Not available
FLASH POINT	225.56 degrees Celsius/438 degrees Fahrenheit (Open Cup)
EVAPORATION RATE	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	Not available
SPECIFIC GRAVITY	31-33 lb/cubic foot

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY	Hazardous reactions will not occur under normal conditions
CHEMICAL STABILITY	Generally stable under recommended handling and storage conditions (see Section 7)
CONDITIONS TO AVOID	Generation of airborne dust. Water, humidity. Sparks, heat, open flame, and other sources of ignition. Direct sunlight, extremely high or low temperatures, and incompatible materials.
INCOMPATIBLE MATERIALS	Strong acids, strong bases, strong oxidizers.

SECTION 11 – TOXICOLOGICAL INFORMATION

Product is non-toxic.

SECTION 12 – ECOLOGICAL INFORMATION

Not established. Avoid release to environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, regional, national, and international regulations. Avoid release to the environment.

SECTION 14 – TRANSPORT INFORMATION

Not regulated for transport.



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SECTION 15 – REGULATORY INFORMATION

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

SECTION 16 – OTHER INFORMATION

SOURCE OF DATA	Supplied by the Manufacturer
ISSUE NUMBER	2
ISSUE DATE	03/08/2018
EFFECTIVE DATE	09/22/2017