

CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-900

ISSUE DATE: 10/26/07

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1. PRODUCT IDENTIFICATION

Product Name

MEGALAC® Rumen Bypass Fat
Low Odor MEGALAC® Rumen Bypass Fat
MEGALAC PLUS™ Methionine Hydroxy Analog
MEGALAC - R® Rumen Bypass Fat

Emergency Phone:

1-800-424-9300

Medical Emergency Phone:

1-888-234-1828

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Tan to light brown granular material.
Fatty characteristic odor.
Dust explosion hazard when sufficient dust concentrations are present.
No significant health or environmental effects associated with this material.

HMIS Rating

| | |
|------------|---|
| Health | 1 |
| Fire | 1 |
| Reactivity | 0 |

Potential Health Effects

EYE: Mild irritation is possible

SKIN CONTACT: Mild irritation is possible

INGESTION: Not toxic

INHALATION: May irritate respiratory membranes

SUBCHRONIC EFFECTS/CARCINOGENICITY: None known. Not listed as carcinogenic by NTP, IARC, OSHA, NIOSH or ACGIH.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredient (% by Weight)

AAFCO Number

CAS Number

Calcium Salts of Long Chain Fatty Acids

33.14

Not Applicable

Methionine Hydroxy Analog

6.8

Not Applicable

4. FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH EYES WITH A DIRECTED STREAM OF WATER for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.



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SKIN: Wash thoroughly with soap and water. Remove contaminated clothing and discard or wash before reuse. IF IRRITATION OCCURS GET MEDICAL ATTENTION.

INGESTION: Although not intended for human consumption, no toxic effects would be expected for accidental ingestion.

INHALATION: Remove to fresh air. If breathing is difficult, have a trained person administer oxygen. If respiration has stopped have a trained person administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: 438°F

SMOKE POINT: 288°F

FIRE POINT: 568°F

METHOD USED: Cleveland Open Cup

FLAMMABLE LIMITS

LFL: Not Applicable (Vapors Do Not Burn)

UFL: Not Applicable (Vapors Do Not Burn)

EXTINGUISHING MEDIA: CO₂ or Dry Chemical for small fires; Foam for large fires.

FIRE FIGHTING INSTRUCTIONS: Carbon monoxide (toxic) and calcium oxide dust (caustic irritant) may be generated making necessary the use of self-contained breathing apparatus (SCBA) and full protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Moderate dust explosion.

DUST AUTOIGNITION POINT: 883°F

MAXIMUM EXPLOSION PRESSURE: 82 lbs/in² @ 0.5 oz/cu ft

RELATIVE EXPLOSION HAZARD: ST-1 Class, NFPA 68-1978

METHOD USED: Godbert-Greenwald

METHOD USED: Hartman

6. ACCIDENTAL RELEASE MEASURES

Scoop up into dry, clean containers.

7. HANDLING AND STORAGE

Store in cool dry place. Temperature should not exceed 90°F and relative humidity should not exceed 75%.

During handling, ventilation should be adequate to maintain airborne concentrations below 10 mg/M³. Where possible, eliminate ignition sources where dust is present.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Dust mask required if total dust level exceeds 10 mg/M³.

PROTECTIVE GLOVES: General purpose for handling dry product.

EYE PROTECTION: Safety glasses; do not wear contact lenses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full cover clothing.

PROTECTIVE WORK/HYGENIC PRACTICES: No special requirements.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Tan to light brown granular material.

ODOR: Characteristic musty, fatty odor.

PHYSICAL STATE: Solid

pH AS IS: Not applicable

pH (1% SOLN. w/v): Not applicable

VAPOR PRESSURE: 1 mm

VAPOR DENSITY: Not applicable

BOILING POINT: Not applicable

FREEZING/MELTING POINT: Not applicable (decomposes ~ 150°C)

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY (Water = 1):

BULK DENSITY (lb/ft³): 31-33

% VOLATILE: N/A

VOLATILE ORGANIC COMPOUNDS: N/A

MOLECULAR WEIGHT: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY WITH OTHER MATERIALS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and calcium oxide are potential byproducts of combustion

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Not an eye irritant per 16 CFR 1500.42; mild irritation, however, is possible.

SKIN EFFECTS: Not a primary skin irritant per 16 CFR 1500.41; mild irritation, however, is possible.

ACUTE ORAL EFFECTS: Not toxic per 16 CFR 1500.3

12. ECOTOXICOLOGICAL INFORMATION

TOXICITY: No specific data available for this product.

BIODEGRADABILITY: No specific data available for this product.

PERSISTENCE: No specific data available for this product.

13. DISPOSAL CONSIDERATIONS

Bury in a secure landfill in accordance with all local, state and federal environmental regulations. Empty containers may be incinerated or discarded as general trash.

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14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not Regulated

TECHNICAL SHIPPING NAME: MEGALAC®, Low Odor MEGALAC®, MEGALAC PLUS™ Methionine Hydroxy Analog, and MEGALAC-R® Rumen Bypass Fat.

D.O.T. HAZARD CLASS: None

U.N./N.A. NUMBER: None

HAZARDOUS SUBSTANCE/RQ: None

15. REGULATORY INFORMATION

TSCA: This material is reported in the EPA TSCA Inventory List.

16. OTHER INFORMATION

SUPERSEDES DATE: 11/19/04

REASON FOR REVISION: ANSI Z400 Revision.

For additional non-emergency health, environment and safety information telephone 609.279.7705 or write to:

Church & Dwight Co., Inc.
R&D Technical regulatory Affairs
469 North Harrison Street
Princeton, New Jersey 08543

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