

CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-901AUS

ISSUE DATE: 14/02/06

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1. PRODUCT IDENTIFICATION

Product Name

BIO-CHLOR™
Rumen Fermentation Enhancer

CONTACT INFORMATION

Emergency Phone:

0011-609-279-7705 (U.S.A.)

Medical Emergency Phone:

1-800-228-5635 Ext. 007 (USA)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredient

AAFCO Number

CAS Number

Condensed corn fermentation solubles	36.10	Not Applicable
Processed grain by-products	22.50	Not Applicable
Natural and Artificial Flavors	582.10	Not Applicable

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Light to dark brown granular material.
Mild odor similar to molasses.
Dust explosion hazard when sufficient dust concentrations are present.
No significant health or environmental effects associated with this material.
This product does not contain any listed hazardous materials.

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 and aggravate pre-existing conditions.

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



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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.

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

FLAMMABLE/EXPLOSIVE LIMITS

FLASHPOINT: Not Applicable

LEL: 55 g/m³

METHOD USED: Not Applicable

UEL: Not Determined

SMOKE POINT: Not Determined

FIRE POINT: Not Determined

EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical or water.

FIRE FIGHTING INSTRUCTIONS: Avoid the use of direct streams if dust can be dispersed in the air.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust explosion hazard.

DUST AUTOIGNITION POINT: Not determined

METHOD USED: Not Applicable

MAXIMUM EXPLOSION PRESSURE: Not determined

METHOD USED: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Prevent spilled material from entering adjacent land or open waters. Vacuum, sweep or scoop up and place in clean containers for disposal. Control dust by use of oils or water during clean-up.

7. HANDLING AND STORAGE

Store in cool dry place. Temperature should not exceed 90°F and relative humidity should not exceed 75%. Wear appropriate personal protective clothing when handling (See Section 8). Provide adequate ventilation to maintain airborne concentrations below 10 mg/m³. Where possible, eliminate ignition sources where dust is present.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



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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 or goggles; avoid wearing contact lenses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full cover clothing.

PROTECTIVE WORK/HYGENIC PRACTICES: No special requirements beyond good personal hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light to dark brown granular material.

ODOR: Mild molasses-like odor.

PHYSICAL STATE: Solid

pH AS IS: Not applicable

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

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

BOILING POINT: Not applicable

FREEZING/MELTING POINT: Not applicable

SOLUBILITY IN WATER: Negligible

BULK DENSITY: 0.46-0.56 g/cm³ (29-35 lbs/ft³)

% 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 is a potential by-product of combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

INHALATION EFFECTS: May irritate respiratory tract and aggravate pre-existing respiratory conditions.

EYE EFFECTS: Solid particles entering the eyes may cause irritation.

SKIN EFFECTS: Mild irritation is possible.

ACUTE ORAL EFFECTS: Material is considered practically non-toxic.

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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.

14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not Regulated

TECHNICAL SHIPPING NAME: Not Applicable

D.O.T. HAZARD CLASS: None

U.N/N.A. NUMBER: None

15. REGULATORY INFORMATION

TSCA: The materials in this product are reported in the EPA TSCA Inventory List, or are exempted or excluded from listing.

16. OTHER INFORMATION

SUPERSEDES DATE: 02/12/02 REASON FOR REVISION: Conversion to 16 Section Format.

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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