



## MATERIAL SAFETY DATA SHEET

**BREAKDOWN Apple Odor Eliminator**

Date Prepared: 05/03/2001  
Date Revised: 05/15/2001

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: BREAKDOWN Apple Odor Eliminator

#### MANUFACTURER

The Butcher Company  
67 Forest Street  
Marlborough, MA 01752-3012

Butcher Telephone Number: 800-225-9475  
Emergency Telephone (24 hours): 800-228-5635  
CHEMTREC (U.S./Can.): 800-424-9300  
CHEMTREC (Int'l): +1 703-527-3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS NO.	% BY WEIGHT
Viable bacterial cultures	NA	5 – 7
Alkoxylated fatty alcohol	69227-21-0	3 – 5
Linear primary alcohol ethoxylate	34398-01-1	1 – 1.5
Fragrance	NA	1 – 1.5

See Section 8 for Exposure Limits      NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.  
WHMIS CLASS: Class D- Division 2B

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Slightly Hazy, Light Green Liquid. Apple Odor. May Cause Eye Irritation.

#### POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(s) OF EXPOSURE: ☒ Eye      ☒ Skin Contact      ☐ Skin Absorption  
☒ Inhalation      ☒ Ingestion

#### EFFECTS OF ACUTE EXPOSURE

##### EYES:

May cause mild eye irritation. Symptoms may include redness and tearing.

##### SKIN:

May cause mild skin irritation. Symptoms may include redness. Organisms used in this product are non-pathogenic, but can cause infection when in contact with open wounds.

##### INHALATION:

High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.

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**INGESTION:**

May cause mild mouth, throat and stomach irritation. Symptoms may include nausea.

**EFFECTS OF CHRONIC EXPOSURE:**

Prolonged or repeated contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**MEDICAL CONDITIONS AGGRAVATED:**

May aggravate pre-existing eye, skin and respiratory conditions.

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**4. FIRST AID MEASURES**

**EYES:**

Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention.

**SKIN:**

Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or open wounds are present.

**INHALATION:**

Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

**INGESTION:**

Do not induce vomiting. Drink large quantities of water. Get medical attention.

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**5. FIRE FIGHTING MEASURES**

**FLASH POINT AND METHOD:** >200°F 93°C TCC

**FLAMMABLE LIMITS:**

Not applicable.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**EXTINGUISHING MEDIA:**

Use extinguishing media appropriate for surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:**

Normal products of combustion (carbon monoxide and carbon dioxide).

**FIRE AND EXPLOSION HAZARDS:**

None known.

**FIRE FIGHTING INSTRUCTIONS:**

This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

**6. ACCIDENTAL RELEASE MEASURES**

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

**7. HANDLING AND STORAGE****HANDLING:**

Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes and skin. Avoid breathing mist. Wash thoroughly after handling. Remove saturated clothing. Wash clothing and equipment before reuse.

**STORAGE:**

Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****PERSONAL PROTECTIVE EQUIPMENT (PPE)****EYE:**

Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

**SKIN:**

Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

**RESPIRATORY:**

No respiratory protection is required if ventilation is adequate.

**ENGINEERING CONTROLS:**

Good general room ventilation is expected to be adequate.

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### EXPOSURE LIMITS:

INGREDIENT(S)	OSHA PEL/STEL	ACGIH TLV/STEL
Viable bacterial cultures	NA	NA
Alkoxylated fatty alcohol	NA	NA
Linear primary alcohol ethoxylate	NA	NA
Fragrance	NA	NA

NA - Not Available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid  
ODOR: Apple  
APPEARANCE: Slightly Hazy, Light Green  
pH: 7.0 to 9.3  
PERCENT VOLATILE BY WEIGHT: 96  
VAPOR PRESSURE: Not Available  
VAPOR DENSITY: Not Available  
BOILING POINT: Not Available  
FREEZING/MELTING POINT: Not Available  
SOLUBILITY IN WATER: Complete  
EVAPORATION RATE: Not Available  
SPECIFIC GRAVITY: 1.000  
VISCOSITY: Water Thin  
OCTANOL/WATER PARTITION COEFFICIENT: Not Available  
ODOR THRESHOLD: Not Available

## 10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID):  
Stable.

POLYMERIZATION:  
Will not occur.

HAZARDOUS DECOMPOSITION:  
None.

INCOMPATIBLE MATERIALS:  
Oxidizers (e.g., bleach). Strong acids and bases may inactivate cultures.

## 11. TOXICOLOGICAL INFORMATION

ACUTE DATA:  
Based on testing of a similar product, this product may cause mild eye and skin irritation; it is not considered to be toxic by ingestion. The following data are available for product ingredients.

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PRODUCT/INGREDIENT	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Viable bacterial cultures	Not Available	Not Available	9.2 mg/L (4-hr)
Alkoxylated fatty alcohol	2300 mg/kg	Not Available	Not Available
Linear primary alcohol ethoxylate	700–1700 mg/kg	>2000 mg/kg	Not Available
Fragrance	Not Available	Not Available	Not Available

**SENSITIZATION DATA:**

No data available.

**CHRONIC DATA:**

No data available.

**REPRODUCTIVE/TERATOGENIC DATA:**

No data available.

**CARCINOGENIC/MUTAGENIC DATA:**

Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

**SYNERGISTIC MATERIALS:**

No data available.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

**14. TRANSPORT INFORMATION**

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

**15. REGULATORY INFORMATION***Not meant to be all-inclusive—selected regulations represented.***UNITED STATES**

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard category: Immediate.

313 REPORTABLE INGREDIENTS: Ingredients in this product are not currently subject to notification.

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### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the ingredients in this product are reportable under CERCLA.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

### USDA (U.S. DEPARTMENT OF AGRICULTURE):

This product is authorized for use in federally inspected meat and poultry plants.

### MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:

INGREDIENT(S)	CAS NO.	STATE LISTING
Water	7732-18-5	Not Listed
Viable bacterial cultures	NA	Not Listed
Alkoxylated fatty alcohol	69227-21-0	Not Listed
Linear primary alcohol ethoxylate	34398-01-1	Not Listed
Fragrance	NA	Not Listed

NA - Not Applicable

## CANADA

### WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

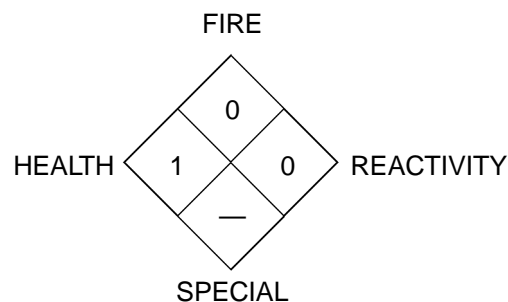
Class D-Division 2B, eye irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

### HMIS RATING

HEALTH	-	1
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION	-	

### NFPA RATING



### MSDS STATUS

Revision #: 1

This MSDS replaces the May 04, 2001 MSDS. Any changes in information are as follows:

In Section 4

Firstaid - Ingestion

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APPROVED BY: EH&S/Regulatory Affairs  
APPROVAL DATE: 05/15/2001

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.*