1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: ORIGINAL FRAGRANCE Concentrated Deodorant

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

<table>
<thead>
<tr>
<th>INGREDIENT(S)</th>
<th>CAS NO.</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>5 – 7</td>
</tr>
<tr>
<td>Nonyl phenol ethoxylate</td>
<td>9016-45-9</td>
<td>1 – 1.5</td>
</tr>
<tr>
<td>Fragrance</td>
<td>NA</td>
<td>1 – 1.5</td>
</tr>
</tbody>
</table>

See Section 8 for Exposure Limits NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.
WHMIS CLASS: Class B- Division 3; Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

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

EFFECTS OF ACUTE EXPOSURE

EYES:
May cause eye irritation. Symptoms may include redness and pain.

SKIN:
Non-irritating to the skin.

INHALATION:
High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.
INGESTION:
May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea. May also cause central nervous system effects including headache, dizziness and weakness.

EFFECTS OF CHRONIC EXPOSURE:
Prolonged or repeated contact may cause skin irritation.

MEDICAL CONDITIONS AGGRAVATED:
May aggravate pre-existing eye, skin and respiratory conditions.

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.

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 immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: 163°F 72.8°C TCC

FLAMMABLE LIMITS:
Not determined.

AUTOIGNITION TEMPERATURE: Not applicable.

EXTINGUISHING MEDIA:
Use water fog, dry chemical, CO2, or foam.

HAZARDOUS COMBUSTION PRODUCTS:
Normal products of combustion (carbon monoxide and carbon dioxide).

FIRE AND EXPLOSION HAZARDS:
Class IIIA combustible liquid. This product is combustible and may be ignited by heat, flames and other ignition sources.
FIRE FIGHTING INSTRUCTIONS:
Evacuate area. Cool containers exposed to fire with water. 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 and absorbent 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. 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). Keep away from heat and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE:
Where eye contact is possible, wear chemical splash goggles (ANSI Z87.1-approved).

SKIN:
Where prolonged or repeated contact is possible, chemical-resistant clothing (e.g., gloves) is recommended.

RESPIRATORY:
Not required under normal conditions of use.

ENGINEERING CONTROLS:
Good general room ventilation is expected to be adequate. If user operations generate vapor or mist, ventilation should be used to keep airborne concentrations below exposure limits.
EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>INGREDIENT(S)</th>
<th>OSHA PEL/STEL</th>
<th>ACGIH TLV/STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>25 ppm (120 mg/m3)/(Skin)</td>
<td>25 ppm (121 mg/m3)/(Skin)</td>
</tr>
<tr>
<td>Nonyl phenol ethoxylate</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Fragrance</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE: Liquid
- ODOR: Melon
- APPEARANCE: Clear, Green
- pH: 7.5 to 8.5
- PERCENT VOLATILE BY WEIGHT: 97
- 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: 0.99
- 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 known.
- INCOMPATIBLE MATERIALS:
  Oxidizers (e.g., bleach).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:
This product was found to be non-irritating to skin. Based on testing of a similar product, this product may cause minimal to mild eye irritation. Acute overexposure to high concentrations of 2-butoxyethanol by skin absorption, ingestion and inhalation has caused blood, liver and kidney effects in laboratory animals. The following additional data are available for product ingredients.
### PRODUCT/INGREDIENT

<table>
<thead>
<tr>
<th></th>
<th>ORAL LD$_{50}$ (rat)</th>
<th>DERMAL LD$_{50}$ (rabbit)</th>
<th>INHALATION LC$_{50}$ (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>470 mg/kg</td>
<td>220 mg/kg</td>
<td>450 ppm (4-hr)</td>
</tr>
<tr>
<td>Nonyl phenol ethoxylate</td>
<td>2000–5000 mg/kg</td>
<td>1000–3000 mg/kg</td>
<td>Not Available</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

### SENSITIZATION DATA:
No data available.

### CHRONIC DATA:
Prolonged overexposure to high concentrations of 2-butoxyethanol by skin absorption, ingestion and inhalation has caused blood, liver and kidney effects in laboratory animals.

### 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.
ORIGINAL FRAGRANCE Concentrated
Deodorant

Date Prepared: 11/27/2000
Date Revised: 11/27/2000

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 categories:
Immediate, Delayed, Fire.
313 REPORTABLE INGREDIENTS: 2-Butoxyethanol is subject to the reporting requirements of Section 313
of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 under the
chemical category Glycol Ethers.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
CERCLA REGULATORY: Not 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:

<table>
<thead>
<tr>
<th>INGREDIENT(S)</th>
<th>CAS NO.</th>
<th>STATE LISTING</th>
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<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Not Listed</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>MA, NJ, PA</td>
</tr>
<tr>
<td>Nonyl phenol ethoxylate</td>
<td>9016-45-9</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Fragrance</td>
<td>NA</td>
<td>Not Listed</td>
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NA - Not Applicable

CANADA
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):
Class B-Division 3, combustible liquid; 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

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>-</th>
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</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
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<tr>
<td>REACTIVITY</td>
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<td></td>
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<tr>
<td>PERSONAL PROTECTION</td>
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</table>

NFPA RATING

<table>
<thead>
<tr>
<th>HEALTH</th>
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</thead>
<tbody>
<tr>
<td>FIRE</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

SPECIAL
MSDS STATUS
Revision #: 1

This MSDS replaces the November 25, 1997 MSDS. Any changes in information are as follows:
In Section 1
Date Prepared: [ ] Print CHEMTREC Phone Number

In Section 3
Potential Health Effects - Skin Absorption

In Section 9
(pH) (To) (Group Field) for Vapor Pressure (Group Field) for Vapor Pressure Density Odor Threshold (Group Field) for Boiling Point (Group Field) for Freezing Point (Group Field) for Evaporation Rate Coeff Oil/Water

In Section 10
Hazardous Decomposition Products

In Section 15
CERCLA Regulatory OSHA Hazard Comm. Rule WHMIS Class

APPROVED BY: EH&S/Regulatory Affairs
APPROVAL DATE: 11/27/2000

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.