1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: SILENT SCREEN 2 Disinfectant Cleaner Deodorizer-Sanitizer

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

Butcher Telephone Number: 800-225-9475
Emergency Telephone (24 hours): 800-228-5635 Ext 118

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>Tetrapotassium diphosphate</td>
<td>7320-34-5</td>
<td>5 – 7</td>
</tr>
<tr>
<td>Nonyl phenol ethoxylate</td>
<td>9016-45-9</td>
<td>5 – 7</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>1 – 3</td>
</tr>
<tr>
<td>n-Alkyl dimethylbenzyl ammonium chloride</td>
<td>68391-01-5</td>
<td>1 – 1.5</td>
</tr>
<tr>
<td>n-Alkyl dimethyl ethyl benzyl ammonium chloride</td>
<td>68956-79-6</td>
<td>1 – 1.5</td>
</tr>
</tbody>
</table>

See Section 8 for Exposure Limits
NA - Not Applicable

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:
Causes eye burns. Symptoms may include pain, tearing, redness, and eye injury.

SKIN:
Causes severe skin irritation. Symptoms may include pain, redness, rash, and swelling.

INHALATION:
High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing and a burning sensation in the nose and throat.

INGESTION:
Harmful if swallowed. May cause mouth, throat and stomach burns. Symptoms may include nausea, vomiting, diarrhea, and severe stomach pain.
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:
Immediately 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 immediate medical attention.

SKIN:
Immediately flush with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

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.

NOTES TO PHYSICIAN:
Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

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) and nitrogen oxides.

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 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, skin and clothing. Wash thoroughly after handling. Remove contaminated 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 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:
General room ventilation is expected to be adequate.
EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>INGREDIENT(S)</th>
<th>OSHA PEL/STEL</th>
<th>ACGIH TLV/STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrapotassium diprophosphate</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Nonyl phenol ethoxylate</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>n-Alkyl dimethylbenzyl ammonium chloride</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>n-Alkyl dimethyl ethyl benzyl ammonium chloride</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

NE - Not Established

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Mild
APPEARANCE: Clear to Slightly Hazy, Colorless
pH: 12.7 to 13.1
PERCENT VOLATILE BY WEIGHT: 83
VAPOR PRESSURE: Not Determined
VAPOR DENSITY: Not Determined
BOILING POINT: Not Determined
FREEZING/MELTING POINT: Not Determined
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: Not Determined
SPECIFIC GRAVITY: 1.07
VISCOSITY: Water Thin
OCTANOL/WATER PARTITION COEFFICIENT: Not Determined
ODOR THRESHOLD: Not Determined

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID):
   Stable.

POLYMERIZATION:
   Will not occur.

HAZARDOUS DECOMPOSITION:
   None.

INCOMPATIBLE MATERIALS:
   Strong acids (e.g., hydrochloric) and oxidizers (e.g., bleach).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:
   This product causes eye burns and severe skin irritation. The following data are available for product ingredients:
SILENT SCREEN 2 Disinfectant Cleaner
Deodorizer-Sanitizer

Date Prepared: 11/05/1997
Date Revised: 12/09/1997

<table>
<thead>
<tr>
<th>PRODUCT/INGREDIENT</th>
<th>ORAL LD₅₀ (rat)</th>
<th>DERMAL LD₅₀ (rabbit)</th>
<th>INHALATION LC₅₀ (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrapotassium diphosphate</td>
<td>2980 mg/kg</td>
<td>7940 mg/kg</td>
<td>Not Available</td>
</tr>
<tr>
<td>Nonyl phenol ethoxylate</td>
<td>2000–5000 mg/kg</td>
<td>1000–3000 mg/kg</td>
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<tr>
<td>Sodium metasilicate</td>
<td>600–1153 mg/kg</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>n-Alkyl dimethylbenzyl ammonium</td>
<td>500–5000 mg/kg</td>
<td>&gt;2000 mg/kg</td>
<td>Not Available</td>
</tr>
<tr>
<td>chloride</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Alkyl dimethyl ethyl benzyl ammonium chloride</td>
<td>500–5000 mg/kg</td>
<td>&gt;2000 mg/kg</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

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 hazardous waste (Corrosive-D002) 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.
SILENT SCREEN 2 Disinfectant Cleaner
Deodorizer-Sanitizer

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.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
CERCLA REGULATORY: None of the ingredients in this product are reportable under CERCLA.

EPA
EPA REG. NO.: 1839-50-7176

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>
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</tr>
<tr>
<td>Tetrapotassium diphosphate</td>
<td>7320-34-5</td>
<td>Not Listed</td>
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NA - Not Applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS RATING</th>
<th>NFPA RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>FIRE</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>HEATH</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>REACTIVITY</td>
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<tr>
<td>PERSONAL PROTECTION</td>
<td>SPECIAL</td>
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MSDS STATUS
New MSDS
SILENT SCREEN 2 Disinfectant Cleaner
Deodorizer-Sanitizer

APPROVED BY: EH&S/Regulatory Affairs
APPROVAL DATE: 12/09/1997

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.