



## MATERIAL SAFETY DATA SHEET

HEPTAGON Disinfectant Spray

Date Prepared: 12/11/2000  
Date Revised: 12/11/2000

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: HEPTAGON Disinfectant Spray

#### 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 |
|---|------------|-------------|
| n-Alkyl dimethylbenzyl ammonium chloride        | 68391-01-5 | <0.1        |
| n-Alkyl dimethyl ethyl benzyl ammonium chloride | 68956-79-6 | <0.1        |

See Section 8 for Exposure Limits      NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as not hazardous under OSHA regulations.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Clear, Colorless Liquid. Mild Detergent Odor. Product Does Not Present a Significant Immediate Concern for Emergency Response Personnel.

#### 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:

Non-irritating to the eyes, but may cause temporary redness or discomfort.

##### SKIN:

Non-irritating to the skin.

##### INHALATION:

Not expected to be irritating or harmful if inhaled.

##### INGESTION:

May cause temporary mouth, throat and stomach discomfort. Symptoms may include nausea.

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**EFFECTS OF CHRONIC EXPOSURE:**

None known.

**MEDICAL CONDITIONS AGGRAVATED:**

None known.

**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 if irritation develops.

**SKIN:**

Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops.

**INHALATION:**

Remove to fresh air. Get medical attention if symptoms persist.

**INGESTION:**

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

**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**

Contain spill. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

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

Use good personal hygiene practices. No special precautions are required for anticipated conditions of use.  
Remove saturated clothing.

**STORAGE:**

No special storage practices are required. Keep container closed when not in use.

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

Not required under normal conditions of use.

**SKIN:**

Not required under normal conditions of use.

**RESPIRATORY:**

Not required under normal conditions of use.

**ENGINEERING CONTROLS:**

No special controls are required.

**EXPOSURE LIMITS:**

| <u>INGREDIENT(S)</u>                            | <u>OSHA PEL/STEL</u> | <u>ACGIH TLV/STEL</u> |
|---|----------------------|-----------------------|
| n-Alkyl dimethylbenzyl ammonium chloride        | NA                   | NA                    |
| n-Alkyl dimethyl ethyl benzyl ammonium chloride | NA                   | NA                    |

NA - Not Available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid

ODOR: Mild Detergent

APPEARANCE: Clear, Colorless

pH: 10.4 to 11.4

PERCENT VOLATILE BY WEIGHT: 99.5

VAPOR PRESSURE: 22.3 mmHg

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VAPOR DENSITY: Not Available  
BOILING POINT: 200°F 93.4°C  
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:  
None known.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE DATA:

This product is non-irritating to skin and eyes. Based on acute toxicity testing, it is not considered to be toxic by ingestion and skin absorption. The following data are available for this product and its ingredients:

| PRODUCT/INGREDIENT                              | ORAL LD <sub>50</sub> (rat) | DERMAL LD <sub>50</sub> (rabbit) | INHALATION LC <sub>50</sub> (rat) |
|---|-----------------------------|----------------------------------|-----------------------------------|
| HEPTAGON Disinfectant Spray                     | >5000 mg/kg                 | >2000 mg/kg                      | Not Available                     |
| n-Alkyl dimethylbenzyl ammonium chloride        | 500 mg/kg                   | >2000 mg/kg                      | Not Available                     |
| n-Alkyl dimethyl ethyl benzyl ammonium chloride | 500 mg/kg                   | >2000 mg/kg                      | Not Available                     |

SENSITIZATION DATA:  
No data available.

CHRONIC DATA:  
No data available.

REPRODUCTIVE/TERATOGENIC DATA:  
No data available.

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**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 categories:  
None.

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.: 61178-2-7176

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

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

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

INGREDIENT(S)CAS NO.STATE LISTING

Water

7732-18-5

Not Listed

NA - Not Applicable

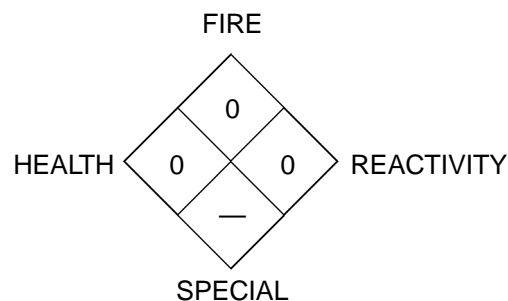
STATE REGULATIONS: Product contains a mixture of surfactant and quaternary ammonium compounds below State reporting requirements.

**16. OTHER INFORMATION**

## HMIS RATING

|                     |   |   |
|---------------------|---|---|
| HEALTH              | - | 0 |
| FLAMMABILITY        |   | 0 |
| REACTIVITY          |   | 0 |
| PERSONAL PROTECTION | - |   |

## NFPA RATING



## MSDS STATUS

Revision #: 1

This MSDS replaces the December 18, 1997 MSDS. Any changes in information are as follows:

In Section 1

Prepared By Date Prepared [ ] Print CHEMTREC Phone Number

In Section 9

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

In Section 10

Hazardous Decomposition Products

In Section 15

OSHA Hazard Comm. Rule

APPROVED BY: EH&amp;S/Regulatory Affairs

APPROVAL DATE: 12/11/2000

*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.*