



# MATERIAL SAFETY DATA SHEET

BLUE SKIES II  
Disinfectant Cleaner

MSDS Ref. No: 4412  
Date Prepared: 10/15/2002  
Date Revised: 10/31/2002

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME/USE:** BLUE SKIES II Disinfectant Cleaner  
Product Synonyms: Command Center 8 BLUE SKIES II Disinfectant Cleaner Concentrate;  
Outpost 8 BLUE SKIES II Disinfectant Cleaner Concentrate;  
Command Center Concentrate 8  
**PRODUCT CODE:** 3707=3019858

**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#	% BY WEIGHT
Didecyl dimethyl ammonium chloride	7173-51-5	1 - 3
n-Alkyl dimethylbenzyl ammonium chloride	8001-54-5	1 - 3
Ethyl alcohol	64-17-5	1 - 1.5

See Section 8 for Exposure Limits NA - Not Applicable

**OSHA REGULATORY STATUS:** This product is classified as hazardous under OSHA regulations.

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
Clear, Blue-Green Liquid . Fresh Odor. Causes Eye Burns and Skin 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:** 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. High concentrations of vapor or mist may also cause central nervous system effects including headache, dizziness and nausea.
- INGESTION:** May cause severe mouth, throat and stomach irritation with nausea, vomiting, diarrhea, and abdominal pain.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged contact may cause skin burns. Symptoms may include pain, redness, swelling, scarring, and skin damage.

# BLUE SKIES II Disinfectant Cleaner

**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:** Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** > 93°C (200°F)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, 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, 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 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.

# BLUE SKIES II Disinfectant Cleaner

## EXPOSURE LIMITS:

### INGREDIENT(S)

Didecyl dimethyl ammonium chloride  
n-Alkyl dimethylbenzyl ammonium chloride  
Ethyl alcohol

### OSHA PEL/STEL

NA  
NA  
1000 ppm 1900  
mg/m3

### ACGIH TLV/STEL

NA  
NA  
1000 ppm 1880  
mg/m3

NA - Not Available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Fresh

**APPEARANCE:** Clear, Blue-Green

**pH:** 7.2 to 8.2

**PERCENT VOLATILE BY WEIGHT:** 94

**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:** 1.0

**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 causes eye burns and skin irritation. It may be harmful if swallowed. The following data are available for this product and its ingredients:

### PRODUCT/INGREDIENT

Didecyl dimethyl ammonium chloride  
n-Alkyl dimethylbenzyl ammonium chloride  
Ethyl alcohol

### ORAL LD<sub>50</sub> (rat)

450 - mg/kg  
590 - mg/kg  
7060 - mg/kg

### DERMAL LD<sub>50</sub> (rabbit)

3342 - mg/kg  
2000 - mg/kg  
Not Available

### INHALATION LC<sub>50</sub> (rat)

Not Available  
Not Available  
31623 - ppm (4-hr)

**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.

# BLUE SKIES II Disinfectant Cleaner

## 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.

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

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

#### EPA

**EPA REG. NO.:** 47371-131-7176

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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

##### INGREDIENT(S)

Water

Didecyl dimethyl ammonium chloride

n-Alkyl dimethylbenzyl ammonium chloride

Ethyl alcohol

*NA - Not Applicable*

##### CAS NO.

7732-18-5

7173-51-5

8001-54-5

64-17-5

##### STATE LISTING

Not Listed

Not Listed

Not Listed

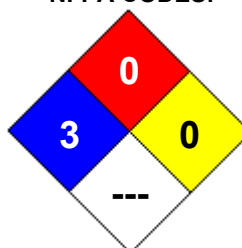
MA, NJ, PA

## 16. OTHER INFORMATION

### HMIS RATING

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	-

### NFPA CODES:



**APPROVED BY:** Product Safety & Regulatory

### MSDS STATUS

**Revision No:** New MSDS

New MSDS

**APPROVAL DATE:** 10/31/2002

*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.*