

MATERIAL SAFETY DATA SHEET

**BRIGHT Disinfectant
Foam Cleaner**

MSDS Ref. No: 4095
Date Prepared: 1/19/2005
Date Revised: 1/19/2005

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME/USE: BRIGHT Disinfectant Foam Cleaner Aerosol

PRODUCT CODE: 4095230

Distributor

Myers Supply, Inc.
831 Third St.
Hot Springs, AR 71913

Telephone Number: 501-623-7742
Emergency Telephone (24 hours): 888-627-8740
CHEMTREC (U.S./Can.):
CHEMTREC (Int'l):

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
2-Butoxyethanol	111-76-2	5 - 7
N-Butane	106-97-8	3 - 5
NJ Trade Secret Registry #11173400-5040P	NA	1 - 3
Tetrapotassium diphosphate	7320-34-5	1 - 1.5
Ammonium hydroxide	1336-21-6	0.1 - 0.5

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, Colorless Aerosol . Mild, Ammonia Odor. Causes Eye Irritation. Contents Under Pressure.

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 irritation. Symptoms may include redness and pain.

SKIN: May cause mild skin irritation. Symptoms may include redness.

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: Not applicable.

FLAMMABLE LIMITS: Not applicable.

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: Container is under pressure and may explode if exposed to excessive heat. Propellant retained by released material may be ignited by heat, sparks, flames, or other ignition sources.

FIRE FIGHTING INSTRUCTIONS: This product is not aerosol flammable per flame extension test 16 CFR 1500.45. If this product is involved in a fire, 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. Remove ignition sources and ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent and non-sparking tools 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. Use with adequate ventilation. Use spark-proof tools. Do not expose to heat. Do not use near sparks, flames or pilot lights. Do not puncture or incinerate container. 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). Store away from direct sunlight. Keep away from heat, sparks and flame. Do not store at temperatures above 120 F (49 C).

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

RESPIRATORY: No respiratory protection is required if ventilation is adequate.

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:

INGREDIENT(S)

2-Butoxyethanol

N-Butane

NJ Trade Secret Registry #11173400-5040P

Tetrapotassium diphosphate

Ammonium hydroxide

OSHA PEL/STEL

25 ppm 120 mg/m³ /

Skin

800 ppm 1900 mg/m³

NA

NA

50 ppm 35 mg/m³ /

35 ppm 27 mg/m³

ACGIH TLV/STEL

25 ppm 121 mg/m³ /

Skin

800 ppm 1900 mg/m³

NA

NA

25 ppm 17 mg/m³ /

35 ppm 24 mg/m³ (NH₃)

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol

ODOR: Mild, Ammonia

APPEARANCE: Clear, Colorless

pH: 12.0 to 12.5

PERCENT VOLATILE BY WEIGHT: 95

VAPOR PRESSURE: 50-55 psig at (64°F) 18°C

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING/MELTING POINT: Not Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: Not Available

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

11. TOXICOLOGICAL INFORMATION

ACUTE DATA: Based on acute toxicity testing, this product is not considered to be toxic by ingestion or skin absorption. 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 this product and its ingredients.

PRODUCT/INGREDIENT

BRIGHT Disinfectant Foam Cleaner

2-Butoxyethanol

N-Butane

NJ Trade Secret Registry #11173400-5040P

Tetrapotassium diphosphate

Ammonium hydroxide

ORAL LD₅₀ (rat)

>5000 mg/kg

470 - mg/kg

Not Available

2380 - 2856

mg/kg

2980 - mg/kg

350 - mg/kg

DERMAL LD₅₀ (rabbit)

>2000 mg/kg

220 - mg/kg

Not Available

2000 - mg/kg

7940 - mg/kg

Not Available

INHALATION LC₅₀ (rat)

Not Available

450 - ppm (4-hr)

658 - g/m³ (4-hr)

Not Available

Not Available

3670 - ppm (4-hr)

SENSITIZATION DATA: No data available.

CHRONIC DATA:

BRIGHT Disinfectant Foam Cleaner

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

This product is made with all biodegradable detergents. No other 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, may be a RCRA hazardous waste in accordance with 40 CFR 261. The product's pH should be verified prior to disposal. According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Consumer Commodity

DOT/TDG HAZARD CLASS: ORM-D

SPECIAL SHIPPING NOTES: The ORM-D hazard class applies to U.S. transportation only.

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: Immediate, Delayed, Pressure Generating.

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.

EPA

EPA REG. NO.: 7176-6

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)

Water

2-Butoxyethanol

N-Butane

NJ Trade Secret Registry #11173400-5040P

Tetrapotassium diphosphate

NA - Not Applicable

CAS NO. STATE LISTING

7732-18-5 Not Listed

111-76-2 MA, NJ, PA

106-97-8 MA, NJ, PA

NA Not Listed

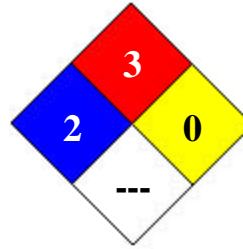
7320-34-5 Not Listed

16. OTHER INFORMATION

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
REACTIVITY		0
PERSONAL PROTECTION		-

NFPA CODES:



APPROVED BY: Product Safety & Regulatory

MSDS STATUS

Revision No: 2

Revision #: 2

This MSDS replaces the November 27, 2000 MSDS. Any changes in information are as follows:

In Section 1

Approved by Product Code Date Prepared

APPROVAL DATE: 10/08/2003

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.

1/19/2005 AB