



MATERIAL SAFETY DATA SHEET

BATH MATE Acid-Free Washroom Cleaner Concentrate

Date Prepared: 10/26/2000
Date Revised: 10/26/2000

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: BATH MATE Acid-Free Washroom Cleaner Concentrate
Product Synonyms: Command Center 16 BATH MATE Acid-Free Washroom Cleaner Concentrate;
Outpost 16 BATH MATE Acid-Free Washroom Cleaner Concentrate;
Command Center ACID-FREE WASHROOM CLEANER Concentrate 16;
KDS 16 BATH MATE Acid-Free Washroom Cleaner Concentrate;
16 BATH MATE Acid-Free Washroom Cleaner Concentrate

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
2-Butoxyethanol	111-76-2	25 - 40
Secondary alcohol ethoxylate	68131-40-8	10 - 25
Ethanolamine	141-43-5	7 - 10
Fragrance	NA	3 - 5
Tetrasodium ethylenediamine tetraacetate	64-02-8	1 - 1.5
n-Alkyl dimethyl benzyl ammonium chloride	68424-85-1	0.25 - <1.0
Didecyl dimethyl ammonium chloride	7173-51-5	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.
WHMIS CLASS: Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Clear, Green Liquid. Fresh Odor. May Cause Eye Burns and Skin Irritation. Harmful if Swallowed.

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:
May cause eye burns. Symptoms may include pain, tearing, redness, swelling, and eye injury.

SKIN:

May cause skin irritation. Symptoms may include redness, rash and mild swelling. May be absorbed through the skin and may cause effects as described under Inhalation (see below).

INHALATION:

High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing, a burning sensation in the nose and throat, and disagreeable metallic taste. May also cause central nervous system effects including headache, dizziness and nausea.

INGESTION:

Harmful if swallowed. May cause mouth, throat and stomach burns. Symptoms may include nausea, vomiting, diarrhea, and severe stomach pain. May also cause central nervous system effects including headache, dizziness and weakness.

EFFECTS OF CHRONIC EXPOSURE:

Prolonged or repeated contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

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:

Flush thoroughly 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.

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. Ventilate spill area. 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. Avoid breathing vapor or mist. 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 general room ventilation is adequate and airborne concentrations are kept below exposure limits. When exposure limits are exceeded, use appropriate respiratory protection (NIOSH/MSHA) to prevent overexposure.

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.

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Concentrate**

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EXPOSURE LIMITS:

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
2-Butoxyethanol	25 ppm (120 mg/m ³)/ (Skin)	25 ppm (121 mg/m ³)/ (Skin)
Secondary alcohol ethoxylate	NA	NA
Ethanolamine	3 ppm (8 mg/m ³)/ 6 ppm (15 mg/m ³)	3 ppm (7.5 mg/m ³)/ 6 ppm (15 mg/m ³)
Fragrance	NA	NA
Tetrasodium ethylenediamine tetraacetate	NA	NA
n-Alkyl dimethyl benzyl ammonium chloride	NA	NA
Didecyl dimethyl ammonium chloride	NA	NA

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Fresh
APPEARANCE: Clear, Green
pH: 11.0 to 12.2
PERCENT VOLATILE BY WEIGHT: 88
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: 1.00
VISCOSITY: 20cps
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), oxidizers (e.g., bleach) and sodium nitrite.

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:

This product causes moderate skin irritation and may cause severe eye irritation or burns. Based on acute toxicity testing, this product may be harmful if swallowed. It is not considered to be toxic by skin absorption or inhalation. Acute dermal overexposure to the secondary alcohol ethoxylate has caused inflammatory changes of the lung in laboratory animals. 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 data are available for this product and its ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
BATH MATE Acid-Free Washroom Cleaner Concentrate	2400 mg/kg	>2000 mg/kg	>10.3 mg/L (4-hr)
2-Butoxyethanol	470 mg/kg	220 mg/kg	450 ppm (4-hr)
Secondary alcohol ethoxylate	2380–2856 mg/kg	2000 mg/kg	Not Available
Ethanolamine	1720 mg/kg	1018 mg/kg	Not Available
Fragrance	Not Available	Not Available	Not Available
Tetrasodium ethylenediamine tetraacetate	3030 mg/kg	>5000 mg/kg	Not Available
n-Alkyl dimethyl benzyl ammonium chloride	366–400 mg/kg	645–3400 mg/kg	Not Available
Didecyl dimethyl ammonium chloride	450 mg/kg	3342 mg/kg	Not Available

SENSITIZATION DATA:

No data available.

CHRONIC DATA:

Prolonged overexposure to high concentrations of ethanolamine by inhalation and ingestion has caused liver and kidney effects in laboratory animals. 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, 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: 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: Immediate, Delayed.

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: None of the ingredients in this product are 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:

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>STATE LISTING</u>
Water	7732-18-5	Not Listed
2-Butoxyethanol	111-76-2	MA, NJ, PA
Secondary alcohol ethoxylate	68131-40-8	Not Listed
Ethanolamine	141-43-5	MA, NJ, PA
Fragrance	NA	Not Listed

NA - Not Applicable

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

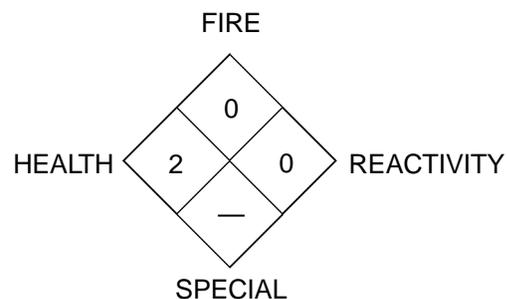
Class D-Division 2B, eye and skin irritant; Class D-Division 2B, chronic toxic effects. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	*	3
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		-

NFPA RATING



MSDS STATUS

Revision #: 6

This MSDS replaces the January 04, 2000 MSDS. Any changes in information are as follows:

In Section 1

Prepared By Date Prepared [] Print CHEMTREC Phone Number

In Section 3

Potential Health Effects - Skin Absorption Signs & Symptoms - Inhalation Signs & Symptoms - Skin

In Section 9

Odor (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 11

Toxicological

In Section 15

OSHA Hazard Comm. Rule WHMIS WHMIS Class

APPROVED BY: EH&S/Regulatory Affairs

APPROVAL DATE: 10/26/2000

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.