MATERIAL SAFETY DATA SHEET

LOW PROFILE Ultra-Low Odor Stripper

Date Prepared: 05/19/2000
Date Revised: 05/19/2000

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: LOW PROFILE Ultra-Low Odor Stripper

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
Benzyl alcohol	100-51-6	10 – 25
Ethanolamine	141-43-5	7 – 10
Sodium xylene sulfonate	1300-72-7	5 – 7
Diethylene glycol monobutyl ether	112-34-5	3 – 5
Sodium hydroxide	1310-73-2	1 – 3

See Section 8 for Exposure Limits *NA - Not Applicable*

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.
WHMIS CLASS: Class E; Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, Colorless Liquid. Mild, Solvent Odor. Causes Eye and Skin Burns. May Cause Respiratory Tract Irritation. Harmful if Swallowed.

POTENTIAL HEALTH EFFECTS *(See Section 11 for Toxicological Information)*
PRIMARY ROUTE(s) OF EXPOSURE: _X_ Eye _X_ Skin Contact ___ 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 skin burns. Symptoms may include pain, redness, swelling, scarring, and skin damage.

INHALATION:
High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing, wheezing and shortness of breath. High concentrations of vapor or mist 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 inhalation of high concentrations of concentrated alkaline materials above exposure limits (See Section 8, Exposure Controls/Personal Protection) can cause respiratory tract injury.

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 for at least 15 minutes, then wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing before reuse. Destroy contaminated shoes.

INHALATION:
Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get immediate medical attention.

INGESTION:
Do not induce vomiting. Rinse mouth out with water. 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. Use non-metallic implements for cleaning and collection. 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. Immediately remove contaminated clothing. Wash clothing and equipment before reuse. Destroy contaminated shoes. Empty containers retain residue and may be hazardous (See Section 14, Transport Information.).

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 gloves should be worn. When additional skin contact is possible, other protective equipment and clothing (e.g., footwear) may be needed. All contaminated clothing should be removed immediately and cleaned (or discarded) before reuse.

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.

EXPOSURE LIMITS:

INGREDIENT(S)	OSHA PEL/STEL	ACGIH TLV/STEL
Benzyl alcohol	NA	NA
Ethanolamine	3 ppm (8 mg/m3)/ 6 ppm (15 mg/m3)	3 ppm (7.5 mg/m3)/ 6 ppm (15 mg/m3)
Sodium xylene sulfonate	NA	NA
Diethylene glycol monobutyl ether	NA	NA
Sodium hydroxide	2 mg/m3 /(Ceiling)	2 mg/m3 /(Ceiling)

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Mild, Solvent
APPEARANCE: Clear, Colorless
pH: 13.0 to 14.0
PERCENT VOLATILE BY WEIGHT: 91
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: 1.06
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.

INCOMPATIBLE MATERIALS:
Oxidizers (e.g., bleach), strong acids (e.g., hydrochloric acid) and reactive metals (e.g., aluminum).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:

This product is corrosive to the eyes and skin. The following data are available for product ingredients:

PRODUCT/INGREDIENT	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)	INHALATION LC_{50} (rat)
Benzyl alcohol	1230 mg/kg	2000 mg/kg	1000 ppm (8-hr)
Ethanolamine	1720 mg/kg	1018 mg/kg	Not Available
Sodium xylene sulfonate	650–4000 mg/kg	3000 mg/kg	Not Available
Diethylene glycol monobutyl ether	5660 mg/kg	4120 mg/kg	Not Available
Sodium hydroxide	Not Available	1350 mg/kg	Not Available

SENSITIZATION DATA:

No data available.

CHRONIC DATA:

Repeated inhalation of high concentrations of alkaline materials has been reported to cause impairment of lung function with shortness of breath, chemical pneumonia and pulmonary edema. Prolonged overexposure to high concentrations of ethanolamine by inhalation and ingestion has caused liver and kidney effects in laboratory animals. Prolonged overexposure to benzyl alcohol by ingestion and inhalation has caused central nervous system effects in humans and 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, 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).

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Corrosive Liquid, N.O.S.
DOT/TDG TECHNICAL NAME: Sodium hydroxide, ethanolamine
DOT/TDG HAZARD CLASS: 8
UN ID No./P.I.N. No.: 1760
DOT/TDG PACKING GROUP: III
NAERG: 154

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: 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.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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

INGREDIENT(S)	CAS NO.	STATE LISTING
Water	7732-18-5	Not Listed
Benzyl alcohol	100-51-6	MA, PA
Ethanolamine	141-43-5	MA, NJ, PA
Sodium xylene sulfonate	1300-72-7	Not Listed
Diethylene glycol monobutyl ether	112-34-5	Not Listed
Sodium hydroxide	1310-73-2	MA, NJ, PA

NA - Not Applicable

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

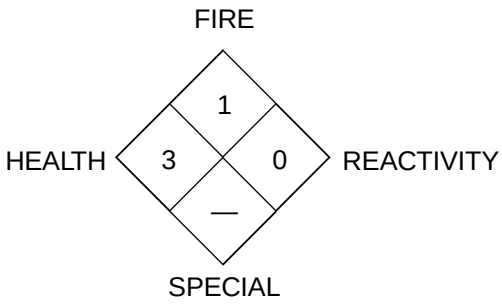
Class E- Corrosive material; Class D- Division 2B, chronic toxic effects. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	*	3
FLAMMABILITY		1
REACTIVITY		0
PERSONAL PROTECTION		-

NFPA RATING



MSDS STATUS
New MSDS

APPROVED BY: EH&S/Regulatory Affairs
APPROVAL DATE: 05/19/2000

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.