



# MATERIAL SAFETY DATA SHEET

Pipeline 23 LANCER General Purpose  
Cleaner Concentrate

Date Prepared: 11/30/2000  
Date Revised: 11/30/2000

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: Pipeline 23 LANCER General Purpose 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

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>
Sodium metasilicate	6834-92-0	10 – 25
Potassium hydroxide	1310-58-3	3 – 5
Modified polyether	NA	3 – 5
Alkoxylated linear alcohol	68987-81-5	3 – 5
Tetrasodium ethylenediamine tetraacetate	64-02-8	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

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Clear, Yellow Liquid. Citrus Odor. Causes Eye and Skin Burns. 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:

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.

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**INGESTION:**

Harmful if swallowed. May cause mouth, throat and stomach burns. Symptoms may include nausea, vomiting, diarrhea, and severe stomach pain.

**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.

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**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:**

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Sodium metasilicate	NA	NA
Potassium hydroxide	2 mg/m3 //(Ceiling)	2 mg/m3 //(Ceiling)
Modified polyether	NA	NA
Alkoxylated linear alcohol	NA	NA
Tetrasodium ethylenediamine tetraacetate	NA	NA

NA - Not Available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid  
ODOR: Citrus  
APPEARANCE: Clear, Yellow  
pH: 12.4 to 13.1  
PERCENT VOLATILE BY WEIGHT: 75  
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: 1.17  
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), strong acids (e.g., hydrochloric acid) and reactive metals (e.g., aluminum).

**11. TOXICOLOGICAL INFORMATION**

ACUTE DATA:

This product is expected to be corrosive to the eyes and skin due to its high alkalinity. The following data are available for product ingredients:

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<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Sodium metasilicate	600–1153 mg/kg	Not Available	Not Available
Potassium hydroxide	273 mg/kg	Not Available	Not Available
Modified polyether	Not Available	Not Available	Not Available
Alkoxylated linear alcohol	1800 mg/kg	>2000 mg/kg	Not Available
Tetrasodium ethylenediamine tetraacetate	3030 mg/kg	>5000 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.

**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). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

## **14. TRANSPORT INFORMATION**

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Corrosive liquid, basic, inorganic, n.o.s.

DOT/TDG TECHNICAL NAME: Potassium hydroxide, sodium metasilicate

DOT/TDG HAZARD CLASS: 8

UN ID No./P.I.N. No.: 3266

DOT/TDG PACKING GROUP: II

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: Not 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)

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>STATE LISTING</u>
Water	7732-18-5	Not Listed
Sodium metasilicate	6834-92-0	Not Listed
Potassium hydroxide	1310-58-3	MA, NJ, PA
Modified polyether	NA	Not Listed
Alkoxyated linear alcohol	68987-81-5	Not Listed

*NA - Not Applicable*

**CANADA**

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

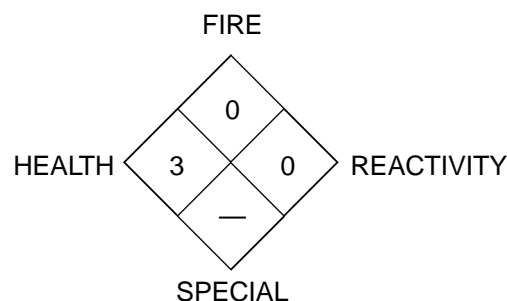
Class E- Corrosive material. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

HMIS RATING

HEALTH	-	3
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION	-	

NFPA RATING



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MSDS STATUS

Revision #: 1

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

In Section 1

Approved by Prepared By Date Prepared [ ] Print CHEMTREC Phone Number

In Section 9

(pH) (Operator) (pH) (From) (pH) (To) (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

Subchronic

In Section 14

DOT Proper Shipping Name DOT UN/NA Number

In Section 15

SARA 311/312 Hazard Categories OSHA Hazard Comm. Rule WHMIS Class

APPROVED BY: EH&S/Regulatory Affairs

APPROVAL DATE: 11/30/2000

*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.*