

MATERIAL SAFETY DATA SHEET

N/A = Not Applicable
AS-498

(Prepared According To 29 CFR 1910.1200)

Effective Date - 11-7-96

SECTION 1 - PRODUCT IDENTIFICATION

Product Name:	LIBERATE	Chemical Family:	BUTYL CLEANER
Supplier's Name:	UNISOURCE WORLDWIDE, INC.	Proper Shipping Name:	COMPOUND, CLEANING, LIQUID, 8, NA1760, II (CONTAINS POTASSIUM HYDROXIDE)
Supplier's Address:	POST OFFICE BOX 958 VALLEY FORGE, PA. 19482		

SECTION 2 - INGREDIENTS

CHEMICAL NAME	OSHA/PEL	ACGIH/TLV	CAS NO.
SODIUM METASILICATE	N.E.	N.E.	6834-92-0
2-BUTOXYETHANOL	25PPM (SKIN)		111-76-2

SECTION 313 - SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372)

CAS #	CHEMICAL NAME	% BY WEIGHT
111-76-2	2-BUTOXYETHANOL	8

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

SECTION 3 - PHYSICAL DATA

Specific Gravity: 1.07
Solubility in Water: COMPLETE
Physical Description: CLEAR BLUE LIQUID
CHARACTERISTIC
Boiling Point: >212F

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (Method Used): NONE
Extinguishing Media: AS REQUIRED BY SURROUNDING FIRE
Special Fire Fighting Procedures: WEAR SELF-CONTAINED FULL-FACE BREATHING APPARATUS.
Unusual Fire and Explosion Hazards: NONE KNOWN

SECTION 5 - REACTIVITY DATA

Stability: STABLE
Conditions to Avoid: EXTREME TEMPERATURES
Polymerization: WILL NOT OCCUR
Conditions to Avoid: NONE
Incompatability (Materials to Avoid): STRONG ACIDS AND OXIDIZERS
Hazardous Decomposition Products: CO, CO2

SECTION 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:
STORE IN COOL, DRY PLACE. KEEP CONTAINER CLOSED
WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
MODERATE TO SEVERE IRRITATION AND POSSIBLE TISSUE
DAMAGE TO EYES DEPENDING ON EXPOSURE. NAUSEA,
VOMITING AND DIARRHEA MAY OCCUR UPON INGESTION.
PROLONGED SKIN CONTACT MAY CAUSE MODERATE
IRRITATION, DEFATTING AND DERMATITIS.

Other Precautions:
OVEREXPOSURE TO 2-BUTOXYETHANOL MAY CAUSE KIDNEY,
LIVER & RED BLOOD CELL INJURY. MAY PENETRATE SKIN.

Carcinogenicity:
NTP: NO
IARC: NO
OSHA: NO

First Aid Procedures

Skin:
REMOVE CONTAMINATED CLOTHING AND WASH WITH PLENTY OF SOAP AND
WATER.

Eyes:
FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES
LIFTING THE EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION.

Inhalation:
MOVE TO FRESH AIR. CONSULT PHYSICIAN IF SYMPTOMS PERSIST.

Ingestion:
GIVE LARGE QUANTITIES OF WATER THEN SEVERAL GLASSES OF MILK.
INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 8 - PERSONAL PROTECTION INFORMATION

Respiratory Protection: ORGANIC VAPOR RESPIRATOR IF
EXPOSURE EXCEEDS RECOMMENDED TLV

Ventilation: GENERAL EXHAUST

Protective Gloves: RECOMMENDED

Eye Protection: RECOMMENDED

Other Protective Equipment: WASH HANDS THOROUGHLY AFTER USE.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
CONTAIN LARGE SPILLS AND PUMP TO RECOVER. SMALL SPILLS CAN BE
MOPPED UP. FLUSH CONTAMINATED AREA WITH WATER.

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL
REGULATIONS

Distributor: Unisource Worldwide, Inc. - P.O. Box 958 - Valley Forge, PA 19482

Infotrac Emergency Phone: 1-800-535-5053 CODE-AB

Disclaimer: Unisource Worldwide, Inc. and the manufacturer believe that the information contained on this Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.