

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	LIQUID LAUNDRY BREAK		
PRODUCT CODE	17002	MANUFACTURED FOR	Triple S
ISSUE DATE	04/03/01	STREET ADDRESS	2 Executive Park Drive
SUPERCEDES		CITY, STATE ZIP	Billerica, MA 01862
		PHONE	(978) 667 7900

EMERGENCY TELEPHONE NUMBER
1-800-535-5053

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS No.	EXPOSURE LIMITS			OTHER LIMITS
		OSHA PEL/TLV	ACGIH TLV	STEL	
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³	Not applicable	Not applicable
Potassium Hydroxide	1310-58-3	2 mg/m ³	2 mg/m ³	Not applicable	Not applicable

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Causes Severe burns, Harmful if Swallowed.
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POTENTIAL HEALTH EFFECTS	
INGESTION	Burning and damage of mucous membranes
INHALATION	Irritation and damage of mucous membranes
EYE CONTACT	Irritation, burning
SKIN CONTACT	Irritation, burning

SECTION 4 – FIRST AID MEASURES

INGESTION	Drink large amounts of water of milk, followed by citrus juice. DO NOT INDUCE VOMITING. See a physician immediately.
INHALATION	If irritation occurs, leave area until mists have dissipated. If irritation persists, see a physician.
EYE CONTACT	Flush with water for 15 minutes. See a physician immediately.
SKIN CONTACT	Flush with water for 15 minutes. If irritation persists, see a physician.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD	N/A	FLAMMABLE LIMITS	Not applicable
% VOLATILE	Not applicable		
EXTINGUISHING MEDIA	Dry chemical, water mist, alcohol foam.		

SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.
FIRE AND EXPLOSION HAZARDS	None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Stop leak. Dilute spilled material with dilute acetic acid.
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SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a cool, dry place.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES	Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.
ENGINEERING CONTROLS	Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended.

	RESPIRATOR	Not required
X	GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type
	APRON	Not required
X	GLOVES	Required; chemical resistant type
	BOOTS	Not required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Water-white, clear liquid	BOILING POINT	212° F
ODOR	No discernable odor	VAPOR PRESSURE	N/A
PH 1%	>12	VAPOR DENSITY	N/A
SPECIFIC GRAVITY	1.350	EVAPORATION RATE (butyl acetate=1)	<1
SOLUBILITY IN WATER	Complete		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.				
INCOMPATIBILITY	Strong acids and oxidizing agents.				
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of carbon				
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR
CONDITIONS TO AVOID	Elevated temperatures				

SECTION 11 – TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910,Z

OTHER EFFECTS

ACUTE	Severe irritation and burning to mucous membranes; dehydration and defatting of skin.
CHRONIC	Unknown
ORAL LD/50	Unknown

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Diluted neutralize material may be flushed to sewer.
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SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DESCRIPTION	Corrosive liquid n.o.s.(contains sodium hydroxide and potassium hydroxide) 8, UN1760 PGII					
SEATEX HM CODE	175					

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
Alk	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Triple S in connection with the use of this information.