

1. IDENTIFICATION

PRODUCT NAME: LIQUID LAUNDRY EMULSIFIER AND PRESOAK
RECOMMENDED USE: LAUNDRY DETERGENT PRESOAK
RESTRICTIONS ON USE: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL.
LABEL BRAND: SYSTEM-1
SDS 100352E CODE 075530

U S CHEMICAL 316 HART STREET WATERTOWN, WI 53094 USA
U S CHEMICAL 3755 LAIRD ROAD MISSISSAUGA, ONTARIO L5L 0B3 CANADA
MEDICAL EMERGENCY: 1-866-923-4913 USA
SPILL EMERGENCY: 1-800-424-9300 USA
PRODUCT INFORMATION: 1-800-558-9566 USA (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)
INTERNET ADDRESS: WWW.USCHEMICAL.COM

2. HAZARD(S) IDENTIFICATION

CLASSIFICATION: EYE DAMAGE(CATEGORY 1), SKIN IRRITATION (CATEGORY 2), SKIN SENSITIZATION (CATEGORY 1), FLAMMABLE LIQUIDS (CATEGORY 3)

LABEL ELEMENTS

SIGNAL WORD: DANGER

PICTOGRAMS: CORROSION, EXCLAMATION MARK, FLAME



HAZARD STATEMENTS: CAUSES SERIOUS EYE DAMAGE AND SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION. FLAMMABLE LIQUID AND VAPOR.

PRECAUTIONARY STATEMENTS: Wear chemical-splash safety goggles and chemical-resistant protective gloves. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wash hands and affected areas thoroughly after handling. Contaminated work clothing must not be allowed out of the work place. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. **FIRST AID: IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Wash with plenty of water for at least 15 minutes. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse. **IF SWALLOWED:** Rinse mouth. **Do NOT** induce vomiting without medical advice. If conscious, dilute by drinking up to a cupful of milk or water as tolerated.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

START FIRST AID. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

EMERGENCY TELEPHONE: 1-866-923-4913

Storage: Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents in accordance with all federal, state and local applicable laws and regulations.

KEEP OUT OF REACH OF CHILDREN. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

HEALTH HAZARDS NOT OTHERWISE CLASSIFIED: Not applicable.

PHYSICAL HAZARDS NOT OTHERWISE CLASSIFIED: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS #	WEIGHT %
2-BUTOXYETHANOL	111-76-2	9.0
NONOXYNOL	9016-45-9	7.0
D-LIMONENE	5989-27-5	6.0
ISOPROPYL ALCOHOL	67-63-0	2.0

STATE RIGHT TO KNOW: SEE SECTION 15 FOR STATE RTK CHEMICAL NAMES IN MIXTURE.

4. FIRST-AID MEASURES

IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES.
IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF SKIN IRRITATION OR RASH OCCURS, GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.
IF SWALLOWED: RINSE MOUTH. **Do NOT** INDUCE VOMITING WITHOUT MEDICAL ADVICE. IF CONSCIOUS, DILUTE BY DRINKING UP TO A CUPFUL OF MILK OR WATER AS TOLERATED.
IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.
START FIRST AID. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
EMERGENCY TELEPHONE: 1-866-923-4913

MOST IMPORTANT SYMPTOMS / EFFECTS: CAUSES SERIOUS EYE DAMAGE AND SKIN IRRITATION. MAY CAUSE BLINDNESS WITHOUT IMMEDIATE FIRST AID. MAY CAUSE AN ALLERGIC SKIN REACTION. HARMFUL IF SWALLOWED. **MEDICAL CONDITIONS AGGRAVATED:** NONE KNOWN.

NOTE TO PHYSICIAN: CALL 1-866-923-4913 FOR EXPOSURE MANAGEMENT ASSISTANCE.

5. FIRE-FIGHTING MEASURES

CHEMICAL HAZARDS: EYE CORROSIVE. ALLERGIC SKIN REACTION. FLAMMABLE. ALTHOUGH THIS PRODUCT HAS A FLASH POINT BELOW 200°F, IT IS AN AQUEOUS SOLUTION WHICH HAS BEEN TESTED AND SHOWN NOT TO SUSTAIN COMBUSTION.
COMBUSTION PRODUCT HAZARDS: OXIDES OF CARBON AND OTHER FUMES.
METHODS: SELECT EXTINGUISHER AND METHODS BASED ON FIRE SIZE AND TYPE.
EQUIPMENT: WEAR SCBA AND FULL PROTECTIVE GEAR AS CONDITIONS WARRANT.
NFPA RATING: HEALTH-3/FLAMMABILITY-1/ INSTABILITY-0/SPECIAL HAZARD-N.AP.
SUITABLE EXTINGUISHERS: WATER, DRY CHEMICAL, CO2 OR FOAM SUITABLE FOR FIRE.
UNSUITABLE EXTINGUISHERS: NO RESTRICTIONS BASED ON CHEMICAL HAZARDS.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: ELIMINATE ALL IGNITION SOURCES. EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. VENTILATE AREA IF NEEDED. BE CAREFUL AS SPILLS ARE SLIPPERY. WASH THOROUGHLY AFTER CLEAN-UP.
ENVIRONMENTAL PRECAUTIONS: ELIMINATE ALL IGNITION SOURCES. PREVENT SPILL FROM ENTERING DRAIN, STORM SEWER OR SURFACE WATERWAY. PREVENT WATER AND SOIL CONTAMINATION. **CLEAN-UP METHODS:** ELIMINATE ALL IGNITION SOURCES. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. SMALL SPILLS MAY BE WIPED UP AND RINSED WITH WATER. FOR LARGER SPILLS, DIKE TO CONTAIN. PUMP TO LABELED CONTAINER OR ABSORB SPILLAGE AND SCOOP UP WITH INERT ABSORBENT MATERIAL. AFTER SPILL COLLECTION, RINSE AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES.

7. HANDLING AND STORAGE

HANDLING: FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INHALATION, INGESTION, AND CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT TASTE OR SWALLOW. REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE REUSE. PRODUCT RESIDUE MAY REMAIN IN EMPTY CONTAINERS. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER. **STORAGE:** KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARK AND FLAME. STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT. PROTECT FROM FREEZING. ROTATE STOCK REGULARLY. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Page 3 of 4

EXPOSURE LIMITS: NONOXYNOL = NONE

D-LIMONENE = NONE

2-BUTOXYETHANOL=20 PPM TWA (ACGIH), 50 PPM TWA-SKIN, 240 MG/M3 TWA-SKIN (OSHA)

ISOPROPYL ALCOHOL = 200 PPM TWA, 400 PPM STEL (ACGIH), 400 PPM TWA (OSHA)

ENGINEERING CONTROLS: NONE REQUIRED. GENERAL ROOM VENTILATION IS TYPICALLY ADEQUATE.**PERSONAL PROTECTION****EYES:** SAFETY GOGGLES (INDIRECT-VENTED OR NON-VENTED) AND AN EYE-WASH STATION.**HANDS:** CHEMICAL-RESISTANT PROTECTIVE GLOVES (RUBBER OR NEOPRENE).**RESPIRATORY:** SUITABLE RESPIRATOR IF MISTS/VAPORS ARE NOT CONTROLLED BY VENTILATION.**FEET:** NONE REQUIRED. RUBBER BOOTS RECOMMENDED DURING SPILL CLEAN-UP.**BODY:** NONE REQUIRED.**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE:** BLUE LIQUID**ODOR:** FRUITY**pH CONCENTRATE:** 9.0**pH @ 2500 PPM SOLUTION:** N.AV.**pH @ USE DILUTION:** N.AV.**PHYSICAL STATE:** LIQUID**RELATIVE DENSITY (WATER):** 0.980**SOLUBILITY (WATER):** COMPLETE**VAPOR PRESSURE:** N.AV.**VAPOR DENSITY:** N. AV.**VISCOSITY:** NON-VISCOUS**AUTO-IGNITION TEMPERATURE:** N.AV.**DECOMPOSITION TEMPERATURE:** N.AV.**EXPLOSIVE LIMITS (LEL/UEL):** NONE**EVAPORATION RATE:** N.AV.**FLAMMABILITY (SOLID, GAS):** N.AP.**FLASH POINT:** 49°C, 120°F TCC**INITIAL BOILING POINT/RANGE:** N.AV.**MELTING POINT/FREEZING POINT:** N.AV.**ODOR THRESHOLD:** N.AV.**PARTITION COEFF. (N-OCTANOL/WATER):** N.AV**OTHER:** N.AV.**10. STABILITY AND REACTIVITY****REACTIVITY:** NO HAZARD.**CHEMICAL STABILITY:** STABLE.**POSSIBILITY OF HAZARDOUS REACTIONS:** NONE KNOWN. WILL NOT POLYMERIZE.**CONDITIONS TO AVOID:** AVOID HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES.**MATERIALS TO AVOID:** DIRECT MIXING WITH OTHER CHEMICALS. MIX ONLY WITH WATER.**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE UNDER NORMAL CONDITIONS.**11. TOXICOLOGICAL INFORMATION****ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION, INHALATION.**INFORMATION ON ROUTES OF EXPOSURE:** NO LC50/LD50 TEST DATA ON MIXTURE.**ACUTE EFFECTS /SYMPTOMS****EYES:** CAUSES SERIOUS EYE DAMAGE. MAY CAUSE PAIN, REDNESS AND WATERING.**SKIN:** MAY CAUSE AN ALLERGIC SKIN REACTION, IRRITATION, DRYING AND REDNESS.**INGESTION:** CAUSES IRRITATION OR BURNS TO MOUTH, THROAT AND STOMACH.**INHALATION:** CAUSES IRRITATION OR BURNS TO NOSE, THROAT + RESPIRATORY SYSTEM.**CHRONIC / OTHER EFFECTS:** NO REPORTABLE GERM CELL MUTAGENS, RESPIRATORY SENSITIZERS, REPRODUCTIVE TOXINS OR ASPIRATION HAZARDS.**SKIN SENSITIZERS:** D-LIMONENE. MAY CAUSE AN ALLERGIC SKIN REACTION.**SPECIFIC TARGET ORGANS (SINGLE/REPEATED):** NONE KNOWN.**NUMERICAL MEASURES OF TOXICITY:** ATE_{mix} (ORAL-RAT) = ABOVE 2000 MG / KG**CARCINOGENS:** NO REPORTABLE ACGIH, IARC, NTP, OR OSHA CARCINOGENS.

12. ECOLOGICAL INFORMATION

Page 4 of 4

ECOTOXICITY / CHEMICAL FATE: NOT AVAILABLE.**13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: DISPOSE OF CONTENTS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL APPLICABLE LAWS AND REGULATIONS. CONSULT STATE AND LOCAL AUTHORITIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. MANAGE CHEMICAL WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY. DO NOT REUSE EMPTY CONTAINER. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

14. TRANSPORT INFORMATION**DOT / IMDG / TDG:** NOT REGULATED**15. REGULATORY INFORMATION****EPA CERCLA RQ:** NO**EPA REGISTERED:** NO**INVENTORY STATUS (DSL/NDL - CANADA):** ALL COMPONENTS ARE LISTED.**INVENTORY STATUS (TSCA - USA):** ALL COMPONENTS ARE LISTED.**OSHA HAZARDOUS:** YES**PHOSPHORUS CONTENT:** 0.00%**PROPOSITION 65:** NO**SARA 311/312 HAZARDS:** ACUTE, FIRE**SARA 313 CHEMICALS:** 2-BUTOXYETHANOL**STATE RIGHT TO KNOW:** WATER/7732-18-5, 2-BUTOXYETHANOL/111-76-2, NONOXYNOL/9016-45-9, D-LIMONENE/5989-27-5, ISOPROPYL ALCOHOL/67-63-0**VOC:** 18.50% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.**16. OTHER INFORMATION****PREPARATION DATE:** 7-7-15 **PREPARED BY:** RC**REVISED SECTION:** 16**ABBREVIATIONS:** N.AV. = NOT AVAILABLE

N.AP. = NOT APPLICABLE

NOTICE TO READER

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