

## 1. PRODUCT AND COMPANY IDENTIFICATION

**NAME: LIQUID LAUNDRY SOFTENER/SANITIZER**  
**USE:** LIQUID LAUNDRY SOFTENER/SANITIZER  
**LABEL BRAND: U S CHEMICAL**  
**MSDS # 100469L CODE # 057543**

U S CHEMICAL, 316 HART STREET, WATERTOWN, WI 53094 USA  
 MEDICAL EMERGENCY #: 1-866-923-4953 USA  
 SPILL EMERGENCY #: 1-800-424-9300 USA  
 PRODUCT INFORMATION #: 1-800-558-9566 (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)  
 INTERNET ADDRESS: [WWW.USCHEMICAL.COM](http://WWW.USCHEMICAL.COM)  
 REVIEWED 3-30-10 REVISED 3-30-10 SECTION REVISED: 1

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

DANGER. CORROSIVE TO EYES. CAUSES EYE BURNS AND SKIN IRRITATION.  
 HARMFUL OR FATAL IF SWALLOWED.

**PRINCIPLE ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION, INHALATION.

### POTENTIAL ACUTE HEALTH EFFECTS

**EYES:** CORROSIVE. CAUSES EYE BURNS. MAY CAUSE PERMANENT DAMAGE INCLUDING BLINDNESS WITHOUT IMMEDIATE FIRST AID TREATMENT.

**SKIN:** MAY BE SEVERELY IRRITATING TO SKIN.

**INHALATION:** INHALATION OF MISTS MAY CAUSE IRRITATION AND CORROSIVE EFFECTS TO NOSE, THROAT, AND RESPIRATORY SYSTEM.

**INGESTION:** CORROSIVE. MAY CAUSE BURNS TO MOUTH, THROAT AND STOMACH. MAY CAUSE SWELLING OF THE LARYNX, AND SKELETAL MUSCLE PARALYSIS AFFECTING THE ABILITY TO BREATHE, CIRCULATORY SHOCK AND CONVULSIONS. HARMFUL OR FATAL IF SWALLOWED.

**MEDICAL CONDITIONS AGGRAVATED:** NONE KNOWN.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	3.25	N.AV.
N-ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE	68956-79-6	3.25	N.AV.
ETHYL ALCOHOL	64-17-5	1.0 – 5.0	N.AV.
ISOPROPYL ALCOHOL	67-63-0	1.0 – 5.0	N.AV.
STATE RIGHT TO KNOW: EPA EXEMPT			

#### 4. FIRST AID MEASURES

Page 2 of 4

**IF IN EYES:** HOLD EYE OPEN AND RINSE SLOWLY AND GENTLY WITH WATER FOR 15 – 20 MINUTES. REMOVE CONTACT LENSES, IF PRESENT, AFTER THE FIRST FIVE MINUTES, THEN CONTINUE RINSING EYE. **IF ON SKIN OR CLOTHING:** TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH PLENTY OF WATER FOR 15 – 20 MINUTES.

**IF SWALLOWED:** CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE. HAVE PERSON SIP A GLASS OF WATER IF ABLE TO SWALLOW. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY A POISON CONTROL CENTER OR DOCTOR. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**IF INHALED:** MOVE PERSON TO FRESH AIR. IF PERSON IS NOT BREATHING, CALL 911 OR AN AMBULANCE, THEN GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH, IF POSSIBLE. **ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-866-923-4913 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS. HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING POISON CENTER OR DOCTOR OR GOING FOR TREATMENT.**

**NOTE TO PHYSICIAN:** PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. CALL 1-866-923-4913 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES.

#### 5. FIRE-FIGHTING MEASURES

**FLAMMABILITY:** ALTHOUGH THIS PRODUCT HAS A FLASH POINT BELOW 200°F, IT IS AN AQUEOUS SOLUTION CONTAINING AN ALCOHOL WHICH HAS BEEN TESTED AND SHOWN NOT TO SUSTAIN COMBUSTION.

**FLASH POINT:** 54 °C (130 °F), PMCC

**PRODUCTS OF COMBUSTION:** SEE SECTION 10.

**SUITABLE EXTINGUISHING MEDIA:** FOR FIRES IN AREA, USE APPROPRIATE MEDIA. USE DRY CHEMICAL OR ALCOHOL FOAM.

**SPECIFIC HAZARDS:** A VAPOR ACCUMULATION MAY FLASH IF IGNITED.

**SPECIFIC METHODS:** SOLVENT FIRE-FIGHTING PROCEDURES MAY BE USED.

#### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** SEE SECTION 8.

**SPILL RESPONSE:** ELIMINATE ALL IGNITION SOURCES. EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. VENTILATE AREA IF NEEDED. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE OR DAM LARGE SPILLS. AVOID DIRECT DISCHARGE TO SEWER AND SURFACE WATERS. PUMP TO CONTAINER OR SOAK UP WITH NON-COMBUSTIBLE INERT ABSORBENT MATERIALS. AFTER SPILL COLLECTION, FLUSH AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES. WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE. BE CAREFUL AS SPILLS ARE SLIPPERY.

#### 7. HANDLING AND STORAGE

**HANDLING:** FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. USE IN WELL-VENTILATED AREAS. AVOID BREATHING VAPORS OR MISTS. AVOID INGESTION AND CONTACT WITH EYES. DO NOT TASTE OR SWALLOW. REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE. PRODUCT RESIDUE MAY REMAIN ON OR IN EMPTY CONTAINERS. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

**STORAGE:** ROTATE STOCK REGULARLY. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F. KEEP AWAY FROM HEAT, SPARK AND FLAME. PROTECT FROM FREEZING. STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT IS RECOMMENDED. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Page 3 of 4

**EXPOSURE LIMITS:** ETHYL ALCOHOL = 1000 PPM TWA (ACGIH/OSHA)  
 ISOPROPYL ALCOHOL = 200 PPM TWA, 400 PPM STEL (ACGIH), 400 PPM TWA (OSHA)  
**ENGINEERING CONTROLS:** NONE REQUIRED. GENERAL ROOM VENTILATION IS ADEQUATE.

**PERSONAL PROTECTION**

**EYES:** SPLASH PROOF SAFETY GLASSES, SAFETY GOGGLES AND AN EYE WASH STATION.  
**HANDS:** CHEMICAL RESISTANT GLOVES: RUBBER OR NEOPRENE.  
**RESPIRATORY:** IF MISTS/VAPORS ARE NOT CONTROLLED BY VENTILATION, WEAR SUITABLE RESPIRATOR.  
**FEET:** WEAR PROTECTIVE FOOTWEAR DURING SPILL CLEAN-UP & WHEN EXPOSURE IS POSSIBLE.  
**BODY:** IF MAJOR EXPOSURE IS POSSIBLE, WEAR FULL-COVER PROTECTIVE CLOTHING.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>COLOR:</b> OFF-WHITE TO LIGHT YELLOW	<b>FLASH POINT:</b> 130°F PMCC
<b>ODOR:</b> GERMICIDAL	<b>UEL:</b> N.AV.
<b>pH CONCENTRATE:</b> 4.0	<b>LEL:</b> N.AV.
<b>pH @ 2500 PPM SOLUTION:</b> N.AP.	<b>EVAPORATION RATE:</b> N.AP.
<b>pH @ USE DILUTION:</b> N.AP.	<b>ODOR THRESHOLD:</b> N.AP
<b>PHYSICAL STATE:</b> LIQUID	<b>VAPOR PRESSURE:</b> N.AP
<b>SPECIFIC GRAVITY:</b> 0.990	<b>VAPOR DENSITY:</b> N. AP.
<b>VISCOSITY:</b> SLIGHTLY VISCOUS	<b>COEFF. OIL/WATER:</b> N.AP.
<b>BOILING POINT:</b> N.AP.	<b>WATER SOLUBILITY:</b> COMPLETE
<b>MELTING POINT:</b> N.AP.	<b>OTHER:</b> N.AP.

**10. STABILITY AND REACTIVITY**

**STABLE:** YES  
**CONDITIONS TO AVOID:**  
 AVOID TEMPERATURES BELOW 35°F. AVOID HEAT, SPARKS AND FLAME.  
**MATERIALS TO AVOID:** AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT. AVOID OXIDIZING AGENTS INCLUDING BLEACH. MIX ONLY WITH WATER.  
**DECOMPOSITION PRODUCTS:** FIRE OR MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE OXIDES OF CARBON AND OTHER TOXIC OR IRRITATING FUMES.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** N.AP.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE EFFECTS:** SEE SECTION 2.  
**CHRONIC EFFECTS:** NONE KNOWN. NO REPORTABLE CARCINOGENS, MUTAGENS, SENSITIZERS, SYNERGISTIC MATERIALS, TERATOGENS, OR REPRODUCTIVE TOXINS.  
**LC50/LD50:** N.AV.  
**TARGET ORGANS:** EYES, SKIN, RESPIRATORY SYSTEM, CIRCULATORY SYSTEM, GI SYSTEM  
**OTHER TOXIC EFFECTS:** NONE KNOWN.

**12. ECOLOGICAL INFORMATION**

Page 4 of 4

NOT AVAILABLE.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** UNDILUTED PRODUCT WITH FLASH POINT BELOW 140 F IS REGULATED UNDER ENVIRONMENTAL AND TRANSPORTATION LAWS AS AN IGNITABLE WASTE (RCRA CLASS D001). COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL 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/TDG:** NOT REGULATED**DOT RQ:** N.AP.**DOT ERG #:** N.AP.**15. REGULATORY INFORMATION****EPA CERCLA RQ:** N.AP.**EPA REGISTERED:** YES (1839-108-7546)**EPA VOC:** 5.0%**EPA VOC RULE:** PRODUCT COMPLIES WITH THE EPA VOC EMISSIONS STANDARD.**OSHA HAZARDOUS:** YES**PHOSPHORUS CONTENT:** 0.00%**PROPOSITION 65:** N.AP.**SARA 311/312 HAZARDS:** ACUTE**SARA 313 CHEMICALS:** N.AP.**STATE RIGHT TO KNOW:** SEE SECTION 3 FOR STATE RTK CHEMICAL NAMES.**TSCA INVENTORY STATUS:** ALL COMPONENTS ARE LISTED ON THE INVENTORY.**16. OTHER INFORMATION****NFPA RATING:** HEALTH-3/FLAMMABILITY-1/REACTIVITY-0/SPECIAL HAZARD-N.AP.**HMIS RATING:** HEALTH-3/FLAMMABILITY-1/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.AV. = NOT AVAILABLE    N.AP. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

**NOTICE TO READER**

THIS DOCUMENT HAS BEEN PREPARED USING DATA FROM SOURCES CONSIDERED TECHNICALLY RELIABLE. IT DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THE INFORMATION CONTAINED WITHIN. ACTUAL CONDITIONS OF USE AND HANDLING ARE BEYOND SELLER'S CONTROL. USER IS RESPONSIBLE FOR EVALUATING ALL AVAILABLE INFORMATION WHEN USING PRODUCT FOR ANY PARTICULAR USE AND TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS.