

## 1. IDENTIFICATION

**PRODUCT NAME: MIXMATE SANITATION SYSTEM SHURGUARD ULTIMATE**  
**RECOMMENDED USE: QUAT DISINFECTANT / SANITIZER**  
**RESTRICTIONS ON USE: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL.**  
**LABEL BRAND: U S CHEMICAL**  
**SDS 200511772M CODE 5497407**

**U S CHEMICAL CORPORATION**      316 HART STREET      WATERTOWN, WI 53094 USA  
**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: SKIN CORROSION (CATEGORY 1C), EYE DAMAGE (CATEGORY 1)**

**LABEL ELEMENTS**  
**SIGNAL WORD: DANGER**  
**PICTOGRAMS: CORROSION**

**SDS# 265 ITEM# 248407**



**HAZARD STATEMENTS: CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE.**

**PRECAUTIONARY STATEMENTS:** Wear chemical-splash safety goggles, chemical-resistant protective gloves and protective clothing. Avoid contact with eyes, skin and clothing. Do not breathe vapors or mists. Do not eat, drink, or smoke when using this product. Wash hands and affected areas thoroughly after handling.

**FIRST AID: IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. **IF SWALLOWED:** Rinse mouth. **Do NOT** induce vomiting. 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:** Keep container tightly closed. 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.**

**HAZARDS NOT OTHERWISE CLASSIFIED:** Not applicable.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS #	WEIGHT %
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	32426-11-2	2.30
DIDECYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5	1.10
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	5538-94-3	1.10
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1	3.00
ETHYL ALCOHOL	64-17-5	1.13

**STATE RIGHT TO KNOW: EPA EXEMPT MIXTURE.**  
**INGREDIENT DISCLOSURE: FOR MORE INGREDIENT INFORMATION VISIT [www.uschemical.com](http://www.uschemical.com).**

#### 4. FIRST-AID MEASURES

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**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. RINSE SKIN WITH WATER FOR AT LEAST 15 MINUTES. WASH CONTAMINATED CLOTHING BEFORE REUSE.  
**IF SWALLOWED:** RINSE MOUTH. Do NOT INDUCE VOMITING. 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 SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE BLINDNESS WITHOUT IMMEDIATE FIRST AID. CAUSES BURNS AND SERIOUS DAMAGE TO MOUTH, THROAT AND STOMACH. CORROSIVE TO ALL BODY TISSUES.

**MEDICAL CONDITIONS AGGRAVATED:** NONE KNOWN.

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

#### 5. FIRE-FIGHTING MEASURES

**CHEMICAL HAZARDS:** CORROSIVE. NON-FLAMMABLE.

**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-0/ 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:** EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PERSONAL PROTECTION. SEE SECTION 8. VENTILATE AREA IF NEEDED. BE CAREFUL NOT TO SLIP. WASH THOROUGHLY AFTER CLEAN-UP.

**ENVIRONMENTAL PRECAUTIONS:** PREVENT SPILL FROM ENTERING DRAIN, STORM SEWER OR SURFACE WATERWAY. PREVENT WATER AND SOIL CONTAMINATION.

**CLEAN-UP METHODS:** 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 TIGHTLY CLOSED. STORE LOCKED UP. STORE 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 REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS:** OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE = NONE  
DIDECYL DIMETHYL AMMONIUM CHLORIDE = NONE  
DIOCTYL DIMETHYL AMMONIUM CHLORIDE OCTYL = NONE  
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE = NONE  
ETHYL ALCOHOL = 1000 PPM TWA (ACGIH/OSHA)  
**ENGINEERING CONTROLS:** GENERAL ROOM VENTILATION IS TYPICALLY ADEQUATE.

**PERSONAL PROTECTION**

**EYES:** CHEMICAL-SPLASH SAFETY GOGGLES.  
**HANDS:** CHEMICAL-RESISTANT PROTECTIVE GLOVES (RUBBER OR NEOPRENE).  
**RESPIRATORY:** PROTECTIVE EQUIPMENT NOT REQUIRED WITH NORMAL USE.  
**BODY/FEET:** PROTECTIVE CLOTHING.  
**HYGIENE MEASURES:** HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE. WASH HANDS AND AFFECTED AREAS THOROUGHLY AFTER HANDLING. PROVIDE SUITABLE FACILITIES FOR QUICK DRENCHING OR FLUSHING OF THE EYES AND BODY IN CASE OF CONTACT OR SPLASH HAZARD.

9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b> YELLOW LIQUID	<b>AUTO-IGNITION TEMPERATURE:</b> N.AV.
<b>ODOR:</b> NONE	<b>DECOMPOSITION TEMPERATURE:</b> N.AV.
<b>pH CONCENTRATE:</b> 7.0	<b>EXPLOSIVE LIMITS (LEL/UEL):</b> NONE
<b>pH READY-TO-USE:</b> N.AP.	<b>EVAPORATION RATE:</b> N.AV.
<b>pH @ USE DILUTION:</b> 7.5	<b>FLAMMABILITY (SOLID, GAS):</b> N.AP.
<b>PHYSICAL STATE:</b> LIQUID	<b>FLASH POINT:</b> NONE
<b>RELATIVE DENSITY (WATER):</b> 0.995	<b>INITIAL BOILING POINT/RANGE:</b> N.AV.
<b>SOLUBILITY (WATER):</b> COMPLETE.	<b>MELTING POINT/FREEZING POINT:</b> N.AV.
<b>VAPOR PRESSURE:</b> N.AV.	<b>ODOR THRESHOLD:</b> N.AV.
<b>VAPOR DENSITY:</b> N. AV.	<b>PARTITION COEFF. (N-OCTANOL/WATER):</b> N.AV
<b>VISCOSITY:</b> NON-VISCOUS	<b>OTHER:</b> N.AV.

10. STABILITY AND REACTIVITY

**REACTIVITY:** MIXING WITH INCOMPATIBLES CAN RELEASE HEAT + HAZARDOUS GASES.  
**CHEMICAL STABILITY:** STABLE.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** SEE REACTIVITY. WILL NOT POLYMERIZE.  
**CONDITIONS TO AVOID:** TEMPERATURES BELOW 35°F (1.6°C) OR ABOVE 120°F (49°C).  
**MATERIALS TO AVOID:** BLEACH, METAL, OTHER CLEANERS. 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:** LC50/LD50 DATA NOT AVAILABLE ON MIXTURE.  
**ACUTE EFFECTS /SYMPTOMS:** CORROSIVE TO ALL BODY TISSUES.  
**EYES:** CAUSES SERIOUS EYE DAMAGE. MAY CAUSE PAIN, REDNESS AND WATERING.  
**SKIN:** CAUSES SEVERE SKIN BURNS. MAY CAUSE DELAYED PAIN, REDNESS AND BLISTERING.  
**INGESTION:** CAUSES BURNS AND SERIOUS DAMAGE TO MOUTH, THROAT AND STOMACH.  
**INHALATION:** MAY CAUSE IRRITATION AND CORROSIVE EFFECTS TO NOSE, THROAT, AND RESPIRATORY SYSTEM. MAY CAUSE COUGHING AND DIFFICULTY BREATHING.  
**CHRONIC / OTHER EFFECTS:** NO REPORTABLE GERM CELL MUTAGENS, SKIN SENSITIZERS, RESPIRATORY SENSITIZERS, REPRODUCTIVE TOXINS OR ASPIRATION HAZARDS.  
**SPECIFIC TARGET ORGANS (SINGLE/REPEATED):** NONE KNOWN.  
**NUMERICAL MEASURES OF TOXICITY:** ACUTE ORAL LD50 (RAT) = ABOVE 2000 MG / KG  
**CARCINOGENS:** NO REPORTABLE ACGIH, IARC, NTP, OR OSHA CARCINOGENS.

**12. ECOLOGICAL INFORMATION**

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**ENVIRONMENTAL HAZARDS** This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** RCRA Hazard Class (undiluted product): Not Regulated

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

See Section 8 for Exposure Controls/Personal Protection to minimize exposure.

**Pesticide label disposal information: STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. **CONTAINER HANDLING (1.5 gallon):** Non-Refillable Container. Do not reuse or refill this container. Wrap empty container and put in trash or offer for recycling.

**CONTAINER HANDLING (5 gallon):** Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

**14. TRANSPORT INFORMATION**

**DOT/IMDG:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMMONIUM CHLORIDE), 8, III

**15. REGULATORY INFORMATION**

**EPA CERCLA RQ: NO EPA REGISTERED: YES (10324-81-7546)** This chemical is a pesticide product registered by the environmental protection agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: **DANGER.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin.

**OSHA HAZARDOUS: YES. SEE SECTION 8 TO MINIMIZE EXPOSURE.**

**PHOSPHORUS CONTENT: 0.00%**

**PROPOSITION 65: NO**

**SARA 311/312 HAZARD CATEGORIES: SEE SECTION 2 FOR GHS HAZARD CLASSES.**

**SARA 313 CHEMICALS: NO**

**STATE RIGHT TO KNOW: EPA EXEMPT**

**TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.**

**USE DILUTION: SEE LABEL. NO PPE OR SDS REQUIRED AT PROPER LABEL USE DILUTIONS.**

**VOC: 1.13% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.**

**16. OTHER INFORMATION**

**PREPARATION DATE: 2-19-24 PREPARED BY: RC REVISED SECTION: 1, 16**

**ABBREVIATIONS: N.A.V. = NOT AVAILABLE**

**N.AP. = NOT APPLICABLE**

**NOTICE TO READER**

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