



# MATERIAL SAFETY DATA SHEET

## Section 1. PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*\*

NAME: CITRUS QUAT 64 DISINFECTANT CLEANER  
 USE: DISINFECTANT  
 LABEL ID: RENOWN  
 MSDS # 3725613 CODE # REN02846, REN02847

MEDICAL EMERGENCY #: 1-800-851-7145 EXT. 075 USA (24/7)  
 SPILL EMERGENCY #: 1-800-424-9300 USA (24/7)  
 PRODUCT INFORMATION #: 1-888-468-1555  
 (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)  
 INTERNET ADDRESS: www.amsan.com  
 REVIEWED 3-23-05 REVISED 3-23-05 SECTION REVISED: 1

DISTRIBUTED EXCLUSIVELY BY:  
 AMSAN  
 THREE PARKWAY NORTH  
 SUITE 120 NORTH  
 DEERFIELD, IL 60015

## Section 2. HAZARDS IDENTIFICATION \*\*\*\*\*

EMERGENCY OVERVIEW:  
 DANGER. CORROSIVE TO EYES. CAUSES EYE BURNS. 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.

## Section 3. COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*\*\*

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
DIDECYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5	2.54	N.AV.
N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	8001-54-5	1.69	N.AV.
STATE RIGHT TO KNOW: EXEMPT			

**Section 4. FIRST AID MEASURES \*\*\*\*\*** Page 2 of 4

**EYES:** HOLD EYE OPEN AND RINSE SLOWLY AND GENTLY WITH WATER FOR 15 TO 20 MINUTES. REMOVE CONTACT LENSES, IF PRESENT, AFTER THE FIRST FIVE MINUTES, THEN CONTINUE RINSING EYE.

**SKIN:** TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH PLENTY OF WATER FOR 15 TO 20 MINUTES.

**INHALATION:** MOVE VICTIM TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF PATIENT IS NOT BREATHING.

**INGESTION:** CALL A POISON CONTROL CENTER OR A 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 THE POISON CONTROL CENTER OR DOCTOR. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 EXT. 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.**

NOTE TO PHYSICIAN: CALL 1-800-851-7145 EXT. 075 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES. PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

**Section 5. FIRE-FIGHTING MEASURES \*\*\*\*\***

FLAMMABILITY: NO HAZARD.

FLASH POINT: N.A.P.

PRODUCTS OF COMBUSTION: SEE SECTION 10.

SUITABLE EXTINGUISHING MEDIA: FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.

SPECIFIC HAZARDS: N.A.P.

SPECIFIC METHODS: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED.

**Section 6. ACCIDENTAL RELEASE MEASURES \*\*\*\*\***

PERSONAL PRECAUTIONS: SEE SECTION 8.

SPILL RESPONSE: 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. BE CAREFUL AS SPILLS ARE SLIPPERY.

**Section 7. HANDLING AND STORAGE \*\*\*\*\***

HANDLING: FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES.

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. 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.

**Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*Page 3 of 4**

EXPOSURE LIMITS: N.AV.

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. LONG TYPE IF NEEDED.

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.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*\***

COLOR: YELLOW

ODOR : LEMON

pH CONCENTRATE: 7.8

pH @ 2500 PPM SOLUTION: N.AP.

pH @ USE DILUTION: N.AP.

PHYSICAL STATE: LIQUID

SPECIFIC GRAVITY: 1.000

VISCOSITY: NON-VISCOUS

BOILING POINT: N.AP.

MELTING POINT: N.AP.

FLASH POINT: N.AP.

UEL: N.AP.

LEL: N.AP.

EVAPORATION RATE: N.AP.

ODOR THRESHOLD: N.AP

VAPOR PRESSURE: N.AP

VAPOR DENSITY: N. AP.

COEFF. OIL/WATER: N.AP.

WATER SOLUBILITY: COMPLETE

OTHER: N.AP.

**Section 10. STABILITY AND REACTIVITY \*\*\*\*\***

STABLE: YES

CONDITIONS TO AVOID: AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F.

MATERIALS TO AVOID: AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT. AVOID OXIDIZING AGENTS. 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.

**Section 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.

**Section 12. ECOLOGICAL INFORMATION \*\*\*\*\* Page 4 of 4**

NOT AVAILABLE.

**Section 13. DISPOSAL CONSIDERATIONS\*\*\*\*\***

DISPOSAL METHOD: 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.

**Section 14. TRANSPORT INFORMATION\*\*\*\*\***

DOT/TDG: NOT REGULATED  
DOT RQ: N.AP.  
DOT ERG #: N.AP.

**Section 15. REGULATORY INFORMATION\*\*\*\*\***

EPA CERCLA RQ: N.AP.  
EPA REGISTERED: YES  
EPA %VOC: 0.70  
EPA VOC RULE: PRODUCT COMPLIES WITH THE EPA VOC EMISSIONS STANDARD.  
KOSHER (CRC): YES  
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.

**Section 16. OTHER INFORMATION\*\*\*\*\***

NFPA RATING: HEALTH-3/FLAMMABILITY-0/REACTIVITY-0/SPECIAL HAZARD-N.AP.  
HMIS RATING: HEALTH-3/FLAMMABILITY-0/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.A.V. = NOT AVAILABLE    N.AP. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

**NOTICE TO READER**

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