

MSDS NO. 4360231

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	T B QUAT		
PRODUCT USE	QUATERNARY BASED CLEANER DISINFECTANT		
PRODUCT CODE	4360231- 6/1 QT	ARRAY REORDER NO. 703559	DATE 6-19-06

COMPANY IDENTIFICATION

U S CHEMICAL
 316 HART STREET
 WATERTOWN, WI 53094 USA
 1-800-558-9566 (8AM TO 5PM CST MON-FRI)

EMERGENCY TELEPHONE NUMBERS

MEDICAL: 1-800-851-7145 EXT. 075 (24 HOUR)
TRANSPORTATION: 1-800-851-7145 EXT. 075 (24 HOUR)
 FOR CHEMICAL EMERGENCIES INVOLVING SPILLS, LEAKS OR FIRES.

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT

EXPOSURE LIMITS

CHEMICAL NAME	CAS NO.	% BY WT	OSHA PEL	ACGIH TLV	OTHER LIMITS
N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	0.105	Not Established	Not Established	NONE
N-ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE	68956-79-6	0.105	Not Established	Not Established	NONE
TETRASODIUM EDTA	64-02-8	1.0-5.0	Not Established	Not Established	NONE

STATE RIGHT TO KNOW INFORMATION

NOT APPLICABLE.

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	CORROSIVE TO EYES. WILL CAUSE EYE BURNS. PERMANENT EYE DAMAGE OR BLINDNESS MAY RESULT WITHOUT IMMEDIATE FIRST AID TREATMENT. HARMFUL OR FATAL IF SWALLOWED.
ROUTES OF ENTRY	SKIN, EYES, INHALATION, INGESTION

POTENTIAL HEALTH EFFECTS

INGESTION	MAY CAUSE NAUSEA, VOMITING, AND GASTROINTESTINAL IRRITATION, AND SWELLING OF THE LARYNX, AND SKELETAL MUSCLE PARALYSIS AFFECTING ABILITY TO BREATHE, CIRCULATORY SHOCK, AND CONVULSIONS.
INHALATION	INHALATION OF MISTS MAY CAUSE IRRITATION TO NOSE, THROAT, AND MUCOUS MEMBRANES, TISSUE DAMAGE, AND PULMONARY IRRITATION. SEVERITY DEPENDS UPON DEGREE OF EXPOSURE.
EYE CONTACT	CORROSIVE. CAUSES EYE BURNS. MAY CAUSE TEMPORARY OR PERMANENT VISION LOSS AND BLINDNESS.
SKIN CONTACT	CONTACT MAY CAUSE MILD TO SEVERE IRRITATION, DRYING AND DERMATITIS. HEALTH EFFECTS DEPEND UPON DEGREE OF EXPOSURE.

T B QUAT**4360231****SECTION 4 -- FIRST AID MEASURES**

INGESTION	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. HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING POISON CENTER OR DOCTOR OR GOING FOR TREATMENT.
INHALATION	MOVE PERSON TO FRESH AIR. IF PERSON IS NOT BREATHING, CALL 911 OR AN AMBULANCE, THEN GIVE ARTIFICIAL RESPIRATION.
EYE CONTACT	HOLD EYE OPEN AND RINSE SLOWLY AND GENTLY WITH WATER FOR 15 – 20 MINUTES. REMOVE CONTACT LENSES, IF PRESENT, AFTER FIRST FIVE MINUTES, THEN CONTINUE RINSING EYE. CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE.
SKIN CONTACT	TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH PLENTY OF WATER FOR 15 – 20 MINUTES. CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE.
NOTE TO PHYSICIAN	CALL 1-800-851-7145 EXT. 075 (24 HOUR) FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES TO THIS PRODUCT.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	N.AP.	UPPER FLAMMABLE LIMIT	N.AP.
AUTOIGNITION TEMPERATURE	N.AP.	LOWER FLAMMABLE LIMIT	N.AP.
EXTINGUISHING MEDIA	FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.		
SPECIAL PROCEDURES	EVACUATE AREA OF UNPROTECTED AND UNNECESSARY PERSONNEL.		
UNUSUAL HAZARDS	N.AP.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE OR DAM LARGE SPILLS. AVOID DIRECT DISCHARGE TO SEWER AND SURFACE WATERS. VENTILATE AREA IF NEEDED. 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. KEEP COMBUSTIBLES AWAY! BE CAREFUL AS SPILLS ARE SLIPPERY.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	FOLLOW ALL LABEL DIRECTIONS. WEAR PERSONAL PROTECTIVE EQUIPMENT TO PREVENT EXPOSURE. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INHALATION, INGESTION AND CONTACT WITH SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.
STORAGE PRECAUTIONS	ROTATE STOCK REGULARLY. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. RECOMMENDED STORAGE TEMPERATURE BELOW 100° F. KEEP FROM FREEZING. STORE IN A COOL DRY AREA OUT OF DIRECT SUNLIGHT. KEEP OUT OF CHILDREN'S REACH. KEEP AWAY FROM FOOD AND DRINKING WATER.

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SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	FOLLOW NORMAL PROCEDURES FOR GOOD HYGIENE. AVOID CONTAMINATION OF FOOD. AVOID BREATHING MISTS OR VAPORS. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.
ENGINEERING CONTROLS	FACILITIES USING THIS PRODUCT MUST BE EQUIPPED WITH AN EYEWASH STATION. NO SPECIAL VENTILATION REQUIREMENTS. AVOID INHALATION OF MISTS CONTAINING THIS PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	NONE REQUIRED WITH NORMAL USE. AVOID INHALATION OF MIST.
X	EYE / FACE PPE	WEAR SAFETY GLASSES WITH SIDE SHIELDS.
	APRON	NOT NECESSARY.
X	GLOVES	RUBBER FOR PROLONGED USE.
	BOOTS	NOT NECESSARY.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	NON-VISCOUS, YELLOW	BOILING POINT	N.AP.
SCENT	FLORAL	FREEZING POINT	N.AP.
pH CONCENTRATE	12.2	VAPOR PRESSURE	N.AP.
pH USE DILUTION	N.AV.	PHYSICAL STATE	LIQUID
SOLUBILITY IN WATER	COMPLETE	EVAPORATION RATE	N.AP.
SPECIFIC GRAVITY	1.011 AT 25°C	VAPOR DENSITY	N.AP.

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		X	STABLE			UNSTABLE
CONDITIONS TO AVOID	AVOID MIXING WITH ANY OTHER CLEANING PRODUCT. MIX ONLY WITH WATER. DO NOT STORE AT HIGH TEMPERATURES. RECOMMENDED STORAGE TEMPERATURE BELOW 100° F.					
INCOMPATIBILITY	AVOID CONTACT WITH ANIONIC SURFACTANTS, REDUCING AGENTS, SODIUM HYPOCHLORITE, ALONG WITH OTHER STRONG OXIDIZING AGENTS AND STRONG ALKALI SUCH AS CAUSTIC SODA OR CAUSTIC POTASH.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	WARNING! MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE SULFUR DIOXIDE, HYDROGEN SULFIDE, NITROUS OXIDES, AND AMMONIA VAPORS.					
POLYMERIZATION		X	WILL NOT OCCUR			MAY OCCUR
CONDITIONS TO AVOID	NOT APPLICABLE					

SECTION 11 -- TOXICOLOGICAL INFORMATION**CARCINOGENICITY**

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN CARCINOGENS OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS, IARC MONOGRAPHS, AND OSHA.

OTHER EFFECTS

ACUTE LD50/LC50	NOT DETERMINED FOR THIS BLEND.
SUBCHRONIC	PROLONGED OR REPEATED OVEREXPOSURE MAY DAMAGE THESE TARGET ORGANS: EYES, CIRCULATORY SYSTEM, GASTROINTESTINAL SYSTEM.

T B QUAT**4360231****SECTION 12 -- ECOLOGICAL INFORMATION**

BIODEGRADABILITY	NO DATA AVAILABLE.
ECOTOXICITY	NO DATA AVAILABLE.

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS. CONSULT REGULATORY AGENCIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. TRIPLE RINSE EMPTY CONTAINERS OF POWDER RESIDUE BEFORE RECYCLING OR DISCARDING CONTAINERS IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. DO NOT REUSE EMPTY CONTAINERS. MANAGE WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY.
RCRA CLASSIFICATION	NON-HAZARDOUS

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION	THIS PRODUCT IS DOT NON-HAZARDOUS.
DOT DESCRIPTION	N.AP.

SECTION 15 -- REGULATORY STATUS

REGULATORY STATUS

NO	CERCLA RQ	N.AP.
YES	EPA REGISTERED (FIFRA)	EPA REGISTRATION NUMBER: 1839-83-45133
NO	FDA REGULATED	N.AP.
NO	KOSHER	N.AP.
YES	OSHA HCS 29 CFR 1910.1200	THIS PRODUCT IS CONSIDERED TO BE OSHA HAZARDOUS.
YES	SARA TITLE III MATERIAL	SECTION 311 & 312. REPORTING REQUIREMENTS ARE BASED UPON INVENTORY LEVELS.
YES	TSCA INVENTORY	ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE INVENTORY.

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

HMIS CLASSIFICATION

3	BLUE	HEALTH	3	BLUE	HEALTH
0	RED	FLAMMABILITY	0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY	0	YELLOW	REACTIVITY
N.AP.	WHITE	SPECIAL HAZARD	B	WHITE	PERSONAL PROTECTION

DEGREE OF HAZARD: 0= MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

N.AP. = NOT APPLICABLE

N.AV. = NOT AVAILABLE

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 FOUR POINTS CHEMICAL IN CONNECTION WITH THE USE OF THIS INFORMATION.