

MATERIAL SAFETY DATA SHEET

VALUE PRODUCTS, INC.

2765 SCOTT BLVD, SANTA CLARA, CA 95050

PRODUCT CODE: 2420
REVISION: 2

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SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME: **QUAT SANITIZER**
CHEMICAL NAME: DISINFECTANT QUATERNARY AMMONIA BLEND
FORMULA: PROPRIETARY
DOT HAZARD CLASS: NONE

HAZARD RATING (NFPA 704)	HAZARD RATING	PROTECTIVE EQUIPMENT
HEALTH: 2	0=MINIMAL	A=GOGGLES
FIRE: 1	1=SLIGHT	B=GOGGLES, GLOVES
REACTIVITY: 1	2=MODERATE	C=GOGGLES, GLOVES, APRON
PROTECTIVE EQUIPMENT: B	3=SERIOUS	D=GOGGLES, GLOVES, APRON, FACE SHIELD
	4=SEVERE	E=GOGGLES, GLOVES, RESPIRATOR

CHEMTREC'S 24 HOUR EMERGENCY TELEPHONE NUMBER 800-424-9300

SECTION II HAZARDOUS INGREDIENTS

SUBSTANCES LISTED IN THIS SECTION ARE THOSE IDENTIFIED AS BEING PRESENT AT A CONCENTRATION OF 1% OR GREATER, OR 0.1% IF THE SUBSTANCE IS ON THE LIST OF POTENTIAL CARCINOGENS CITED IN OSHA HAZARD COMMUNICATION STANDARD.

MATERIAL (BASED ON 100% FORMULA)	CAS#	TVL	PEL
DISINFECTANT LIQUID MIXTURE BARDAC 205M, CONTAINING ACTIVE INGREDIENTS:			
N, N, DIALKYL-N DIMETHYL-AMMONIUM CHLORIDE	68426-95-3		NOT ESTABLISHED
N-ALKYL DIMETHYL BENZYL-AMMONIUM CHLORIDE	68424-95-5		NOT ESTABLISHED

SECTION III PHYSICAL DATA

BOILING POINT : 210 °F	VOLATILE : 95%
VAPOR PRESSURE (AIR=1): >1	SOLUBILITY IN WATER: COMPLETE
VAPOR DENSITY: (AIR=1): >1	SPECIFIC GRAVITY: 0.995-1.005
EVAPORATION RATE (WATER=1): 1	VISCOSITY: WATER THIN
pH CONCENTRATE: 7.0-8.0	DESCRIPTION: CLEAR, SOLUTION, MILD SOLVENT ODOR

SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINT (°F): NON-COMBUSTIBLE
METHOD USED: C.O.C.
EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICALS.
FIRE-FIGHTING PROCEDURES: USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND TO DISPERSE VAPORS. WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.
UNUSUAL FIRE OR EXPLOSIVE HAZARD: PRODUCTS OF COMBUSTION ARE TOXIC. HEATED SOLVENT VAPORS, HEAVIER THAN AIR, MAY TRAVEL ALONG THE GROUND AND BE IGNITED BY IGNITION SOURCES. EXPLOSIVE MIXTURES CAN FORM WITH AIR.

SECTION V HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)

EYE CONTACT: EXPOSURE TO LIQUID OR VAPORS MAY CAUSE EYE IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, TEARING, BURNING, SWELLING. CORNEAL INJURY MAY ALSO OCCUR.
INHALATION: CAN CAUSE HEADACHE, NAUSEA, AND IRRITATION TO RESPIRATORY TRACT WITH COUGHING AND CHEST DISCOMFORT. PROLONGED INHALATION MAY RESULT IN DROWSINESS, LOSS OF APPETITE, INABILITY TO CONCENTRATE.
INGESTION: CAN CAUSE NAUSEA, VOMITING AND GASTROINTESTINAL UPSET. DROWSINESS OR LOSS OF CONSCIOUSNESS MAY OCCUR
SKIN CONTACT: EXPOSURE MAY CAUSE MILD SKIN IRRITATION. PROLONGED CONTACT MAY RESULT IN SKIN REDNESS, BURNING.

FIRST AID MEASURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.
INHALATION: REMOVE TO FRESH AREA. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND GET MEDICAL ATTENTION.
INGESTION: DRINK LARGE QUANTITIES OF WATER. AVOID ALCOHOL. SEEK MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAPS AND LOTS OF WATER. IF IRRITATION OCCURS AND PERSISTS SEEK MEDICAL ATTENTION AS NEEDED. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

SECTION VI REACTIVITY DATA

STABILITY: STABLE.
MATERIALS TO AVOID: ACIDS, OXIDIZERS, ALDEHYDES, HALOGENS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
CONDITIONS TO AVOID: HIGH TEMPERATURE.
HAZARDOUS DECOMPOSITION: TOXIC CARBON MONOXIDE, CARBON DIOXIDE, AMMONIA, HYDROGEN CHLORIDE, CARBON NITROUS OXIDE.

SECTION VII SPILL OR LEAK PROCEDURES

CLEAN-UP PROCEDURES: AVOID CONTACT WITH EYES. WEARS PROTECTIVE CLOTHING. BE SURE THAT THE SPILLED AREA IS FREE FROM FIRE OR EXPLOSIVE HAZARD. SPILL SHOULD BE IMMEDIATELY STOPS. CONTAIN SPILL WITH INERT MATERIAL THEN TRANSFER TO SEALABLE CONTAINERS FOR DISPOSAL. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS, OR OTHER BODIES OF WATER. PREVENT SPREADING OF CONTAMINATED AREAS. IF RUN-OFF OCCURS, NOTIFY AUTHORITIES AS REQUIRED.
RECOMMENDED WASTE DISPOSAL METHOD: NOTIFY APPLICABLE AUTHORITIES OF SPILLS AND DISPOSAL METHODS. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII SPECIAL PROTECTION DATA

RESPIRATORY PROTECTION: SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATION.
EYE PROTECTION: SAFETY/CHEMICAL SPLASH GOGGLES.
PROTECTIVE CLOTHING: FULL-LENGTH CLOTHING, RUBBER GLOVES AND BOOTS.
VENTILATION: ADEQUATE LOCAL EXHAUST
OTHER PROTECTIVE MEASURES: EYEWASH AND SAFETY SHOWER.

SECTION IX SPECIAL PRECAUTION

HYGIENIC PRACTICES IN HANDLING STORING: WASH THOROUGHLY AFTER HANDLING. DO NOT SMOKE, DRINK, EAT IN THE WORKING AREAS.
PRECAUTION TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY, VENTILATED AREAS, AWAY FROM HEAT, SPARKS, AND FLAME.
DISPOSAL OF EMPTY CONTAINER: EMPTY CONTAINERS SHOULD BE TRIPLE RINSED WITH WATER AND DISPOSED OF PURSUANT TO LOCAL, STATE, AND FEDERAL REQUIREMENTS.

SECTION X USER'S RESPONSIBILITY

THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH THE USER. THE USER SHOULD CONSIDER THE HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.