

SAFETY DATA SHEET



Date Issued : 04/28/2015

SDS No : 1D.06

Quat K-2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Quat K-2
GENERAL USE: Disinfectant
PRODUCT CODE: 1D.06

MANUFACTURER

Centraz Industries Inc.
 4051 BINGHAM AVE
 ST. LOUIS, MO 63116
Customer Service: 314-752-7627

EPA REG. NO.: 10324-154

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation & Medical) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS LABEL



Corrosion



Exclamation
mark

SIGNAL WORD: DANGER

POTENTIAL HEALTH EFFECTS

EYES: Extremely irritating to the eyes and may cause severe damage including blindness.

SKIN: Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin.

INGESTION: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea and possibly death.

INHALATION: Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. May be harmful if inhaled.

ROUTES OF ENTRY: Eyes, skin, inhalation, ingestion

TARGET ORGAN STATEMENT: Eyes, skin, lungs, stomach, gastrointestinal tract

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	1 - 2	68424-85-1
Didecyl Dimethyl Ammonium Chloride	2 - 3	7173-51-5
Ethyl Alcohol	< 1	64-17-5

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Call a physician or Poison Control Center immediately. Give one or two glasses of water if patient is alert and able to swallow. Seek immediately medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

INHALATION: If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: Probable mucosal damage might contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Irritating and toxic gases or fumes may be released during a fire.

EXPLOSION HAZARDS: Combustion products are toxic.

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

LARGE SPILL: Dike far ahead of liquid spill for later disposal. Pump into containers for disposal.

COMMENTS: Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

STORAGE: Keep container tightly closed in a dry and well-ventilated place. KEEP OUT OF REACH OF CHILDREN. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Ethyl Alcohol	OSHA PEL	TWA	1000	1900
	ACGIH TLV	TWA	1000	1884

ENGINEERING CONTROLS: Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles and/or a full face shield where splashing is possible.

SKIN: Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.

RESPIRATORY: If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSNA approved respirator or an organic/vapor removing cartridge respirator protection device should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

OTHER USE PRECAUTIONS: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)
Didecyl Dimethyl Ammonium Chloride	107

PHYSICAL STATE: Liquid

ODOR: Lemon

COLOR: Blue

pH: 7 to 10

PERCENT VOLATILE: Not yet Determined

FLASH POINT AND METHOD: None when heated to 105 dgr. C -Tag Closed Cup

FLAMMABLE LIMITS: Not yet Determined

AUTOIGNITION TEMPERATURE: No information Available

VAPOR PRESSURE: Not yet Determined

VAPOR DENSITY: Estimated Heavier than air.

BOILING POINT: No information Available

FREEZING POINT: No information Available

MELTING POINT: No information Available

POUR POINT: No information Available

THERMAL DECOMPOSITION: No information Available

SOLUBILITY IN WATER: No information Available

EVAPORATION RATE: Not yet Determined

DENSITY: No information Available

SPECIFIC GRAVITY: 1 ~8.3 lbs/gal

VISCOSITY #1: 1.4489 mm²/s (cSt) at 22°C

MOLECULAR WEIGHT: No information Available

(VOC): ~ 1

OXIDIZING PROPERTIES: No information Available

10. STABILITY AND REACTIVITY

STABILITY: Stable Under Normal conditions.

CONDITIONS TO AVOID: Keep away from heat and strong oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.

INCOMPATIBLE MATERIALS: Strong oxidizing agents (may result in fire), reducing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	344 mg/kg	3340 mg/kg
Didecyl Dimethyl Ammonium Chloride	450	3342

DERMAL LD₅₀: > 2000 mg/kg. (Rabbit)

ORAL LD₅₀: > 1000 mg/kg (rat)

CARCINOGENICITY

NOTES: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Very toxic to aquatic organisms

CHEMICAL FATE INFORMATION: This product is biodegradable

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Although not considered hazardous waste, the discarding or disposal of this material should be done at a properly permitting facility in accordance with the regulations of 40 CFR 262, 263,264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate. The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

SPECIAL SHIPPING NOTES: DOT CLASS: NOT REGULATED # NON-HAZARDOUS FOR AIR, SEA AND ROAD FREIGHT.

15. REGULATORY INFORMATION

UNITED STATES

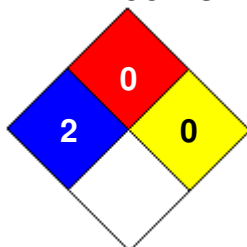
TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1
Didecyl Dimethyl Ammonium Chloride	7173-51-5

16. OTHER INFORMATION

Date Prepared: 04/28/2015

NFPA CODES



MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.