

# SAFETY DATA SHEET

## WORKING COPY



Date Prepared : 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

##### 24 HR. EMERGENCY TELEPHONE NUMBERS

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

**EPA REG. NO.:** 10324-154

#### 2. HAZARDS IDENTIFICATION

##### GHS LABEL



Corrosion



Exclamation  
mark

**SIGNAL WORD:** DANGER

##### HAZARD STATEMENTS

##### 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
Alkyl Dimethylbenzylammonium Chloride	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. Cool fire exposed containers with spray.

## 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			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethyl Alcohol	TWA	1000	1900	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 mm<sup>2</sup>/s (cSt) at 22°C

**MOLECULAR WEIGHT:** No information Available

**(VOC):** ~ 1.000

**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**

Chemical Name	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>
Alkyl Dimethylbenzylammonium Chloride	344 mg/kg	3340 mg/kg
Didecyl Dimethyl Ammonium Chloride	450	3342

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg. (Rabbit)

**ORAL LD<sub>50</sub>:** > 1000 mg/kg (rat)

**EYE EFFECTS:** Corrosive

**SKIN EFFECTS:** Corrosive

**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**

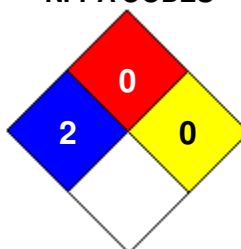
**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Alkyl Dimethylbenzylammonium Chloride	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.