

Safety Data Sheet



C K Enterprises, Inc.
1204 SW Jefferson Street
Lee's Summit, Missouri 64081-9899
(816) 524-1304

Section 1. Chemical Product and Company Identification

Product Name K-Quat 4
Product Use Quaternary Ammonium Sanitizer
Product Code 4850
Date of Issue 6/16/2017
Supersedes 8/15/2016

Emergency Telephone Numbers

CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Health Hazards

Skin Corrosion/Irritation Category 1
Serious eye damage/ eye irritation Category 1

Precautionary Statements:

P260 Do not breathe in mist/vapors/spray/fumes
P264 Wash hands thoroughly after handling
P280 Wear protective gloves, clothing and eye protection
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a poison center or physician
P363 Wash all contaminated clothing before reuse
P405 Store locked up
P501 Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H314 Causes severe skin burns and eye damage

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes Corrosive. Severe eye damage can result from direct contact.
Skin Severe irritation. Corrosive.
Inhalation Can cause irritation of mucous membranes and burns respiratory tract
Ingestion Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause death.

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
1-decanaminium, n,n-dimethyl-n-octyl-, chloride	32426-11-2	1.5-3
1-octanaminium, N,n-dimethyl-n-octyl-, chloride	5538-94-3	0.5-2
Didecyldimethylammonium chloride	7173-51-5	0.5-2
Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	2.5-4
Ethanol	64-17-5	<2

Section 4. First Aid Measures

Eye Contact Flush immediately with clean water for 15 minutes. Seek immediate medical attention.
Skin Contact Flush immediately with clean water for 15 minutes. Remove and wash contaminated clothing before reuse. Seek immediate medical attention.
Inhalation Remove person to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
Ingestion Give several glasses of water. Call a physician immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
 (estimated rating)



Hazardous Combustion Products N/A
Extinguishing Media Dry chemical, CO₂ foam or water fog
Unsuitable Extinguishing Media N/A
Fire Fighting Procedures Cool fire-exposed containers with water spray.
Unusual Fire and Explosion Explosive mixtures can form with air. Products of combustion are toxic. Solvent vapors can travel to an ignition source and flash back.
Hazards

Section 6. Accidental Release Measures

Spill Clean Up Small spills may be mopped up, flushed away with water or absorbent on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous waste.

Section 7. Handling and Storage

Handling and Storage Keep from freezing. Store in original container. Store at temperatures below 140°F. Keep container tightly closed when not in use. Do not contaminate drinking water, food, or feed by storage or disposal. Keep out of the reach of children. Have eye wash and safety shower accessible to use in handling area.

Section 8. Exposure Controls/Personal Protection**Exposure Limits**

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Ethanol (64-17-5)	1,000ppm	1,000ppm		1,000ppm

Engineering Controls Mechanical (explosion proof)

**Personal Protective Equipment (PPE)**

Eyes Chemical splash goggles or face shield
Body Rubber or neoprene gloves, boots and impervious apron
Respiratory None if good ventilation is maintained

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Clear	Vapor Pressure	N/A
Odor	N/A	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	6.5-8.0	Solubility	Soluble
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	N/A	Auto-Ignition Temp.	N/A
Flash Point	>200°	Decomposition Temp.	N/A
Evaporation Rate	N/A	Viscosity	N/A
Flammability	N/A	Specific Gravity	1.00-1.05

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Strong oxidizers or reducing agents
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Toxic hydrogen chloride fumes, oxides of carbon and nitrogen
Conditions to Avoid	Mixing with strong oxidizers or reducing agents

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral, and Inhalation
Symptoms	Can cause burns
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None
Reproductive Toxicity	No information found
Target Organs	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	53,440 mg/kg	ATE determined beyond Category 4
Oral	7,497 mg/kg	ATE determined beyond Category 4
Inhalation	33,323 ppm	ATE determined beyond Category 4

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Incinerate. Make sure all Federal, State and Local regulations are observed.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1903	Disinfectants, Corrosive, liquid n.o.s. (Quaternary Ammonium Compounds)	8	PGII	Corrosive

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: None

The following substances have CERCLA reportable quantity values (in pounds):

None

State Regulations None

Section 16. Other Information

Last Revision 6/16/2017

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.