

# Safety Data Sheet



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## Section 1. Chemical Product and Company Identification

**Product Name** K-Quat 4  
**Product Use** Quaternary Ammonium Sanitizer  
**Product Code** 4850  
**Date of Issue** 10/29/2020  
**Supersedes** 6/16/2017

### 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:

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

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

1-decanaminium, n,n-dimethyl-n-octyl-, chloride	<b>CAS Number</b> 32426-11-2	<b>% by Weight</b> 1.5-3
1-octanaminium, N,n-dimethyl-n-octyl-, chloride	5538-94-3	0.5-2
Didecylidimethylammonium 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**

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

**Section 5. Fire Fighting Measures**

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



<b>Hazardous Combustion Products</b>	N/A
<b>Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> foam or water fog
<b>Unsuitable Extinguishing Media</b>	N/A
<b>Fire Fighting Procedures</b>	Cool fire-exposed containers with water spray.
<b>Unusual Fire and Explosion Hazards</b>	Explosive mixtures can form with air. Products of combustion are toxic. Solvent vapors can travel to an ignition source and flash back.

**Section 6. Accidental Release Measures**

<b>Spill Clean Up</b>	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.
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**Section 7. Handling and Storage**

<b>Handling and Storage</b>	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.
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**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

<b>Engineering Controls</b>	Mechanical (explosion proof)
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**Personal Protective Equipment (PPE)**

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

### Section 9. Physical and Chemical Properties

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

### Section 10. Stability and Reactivity

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

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Dermal, Oral, and Inhalation
<b>Symptoms</b>	Can cause burns
<b>Skin Irritant</b>	Yes
<b>Eye Irritant</b>	Yes
<b>Sensitizers</b>	Not determined
<b>Mutagenicity</b>	No information found
<b>Carcinogenicity</b>	None
<b>Reproductive Toxicity</b>	No information found
<b>Target Organs</b>	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
<b>Dermal</b>	53,440 mg/kg	ATE determined beyond Category 4
<b>Oral</b>	7,497 mg/kg	ATE determined beyond Category 4
<b>Inhalation</b>	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, liquid, corrosive n.o.s., (Quaternary Ammonium Compound)	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** 10/29/2020

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.