

# EnviroQuat

# Material Safety Data Sheet

Preparation Date 25-Oct-2010  
Revision Number: 0  
Revision Date

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Description: EnviroQuat  
Item#: 2220

Supplier DeLaval Cleaning Solutions  
11100 N. Congress Ave.  
Kansas City, MO 64153  
Tel: 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes

### Potential Health Effects

Principle Routes of Exposure Eye contact  
Skin contact  
Ingestion  
Inhalation

### Major effects of exposure

**Eyes** Corrosive to the eyes and may cause severe damage including blindness.  
**Skin** Contact causes severe skin irritation and possible burns.  
**Ingestion** Harmful if swallowed.  
**Inhalation** Harmful by inhalation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %	OSHA PEL
Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	1 - 5	

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride	32426-11-2	1 - 5	
1-Octanaminium, N,N-dimethyl-N-octyl-, chloride	5538-94-3	1 - 5	
Didecyldimethylammonium chloride	7173-51-5	1 - 5	
Ethyl alcohol	64-17-5	1 - 5	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

**4. FIRST AID MEASURES**

- Eye contact**
- Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
  - Call a physician immediately
- Skin contact**
- Wash off immediately with plenty of water for at least 15 minutes
  - Call a physician immediately
- Ingestion**
- Do not induce vomiting
  - Drink 1 or 2 glasses of water
  - Call a physician or Poison Control Centre immediately
  - Never give anything by mouth to an unconscious person
- Inhalation**
- Move to fresh air
  - If not breathing, give artificial respiration
  - Call a physician immediately

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Specific hazards arising from the chemical** The product causes burns of eyes, skin and mucous membranes.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**

<b>Health</b>	<b>Flammability</b>	<b>Instability</b>
3	1	0

**NFPA Special Hazard** none

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with skin, eyes and clothing. Use personal protective equipment.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV	OSHA PEL
Ethyl alcohol	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Eye/face Protection</b>	Goggles.
<b>Skin Protection</b>	Rubber gloves, Long sleeved clothing

**General Hygiene Considerations**  
Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear
<b>Form</b>	liquid
<b>Specific Gravity</b>	0.992
<b>Density</b>	8.2 lb/gal
<b>Water Solubility</b>	soluble
<b>pH</b>	6 - 9

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions.

**Incompatible Materials** Incompatible with oxidizing agents, Anionic surfactants, Detergent

## 11. TOXICOLOGICAL INFORMATION

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Alkyl (C12-16) dimethylbenzylammonium chloride	426 mg/kg ( Rat )		
Didecyldimethylammonium chloride	84 mg/kg ( Rat )		
Ethyl alcohol	1501 mg/kg ( rat )		124.7 mg/L (rat )

**Carcinogenicity** Contains no ingredient listed as a carcinogen

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Didecyldimethylammonium chloride	EC50 0.09 mg/L 72h	LC50 0.28 mg/L 96 h		LC50 0.0059 mg/L 48 h
Ethyl alcohol			EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	EC50 = 10800 mg/L 24 h EC50 = 9268 mg/L 48 h

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations. Should not be released into the environment.

**Contaminated Packaging** Triple rinse containers. Empty containers should be taken for local recycling, recovery or waste disposal.

<b>14. TRANSPORT INFORMATION</b>
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<b>UN-No</b>	1903
<b>Proper Shipping Name</b>	Disinfectants, liquid, corrosive, N.O.S. (Quaternary Ammonium Compound)
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

<b>15. REGULATORY INFORMATION</b>
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Component	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Alkyl (C12-16) dimethylbenzylammonium chloride	Present	X	-	270-325-2	-	-	X	KE-29999	X	X
1-Decanaminium, N,N-dimethyl-N-octyl-, chloride	Present	X	-	251-035-5	-	-	X	KE-26732	X	-
1-Octanaminium, N,N-dimethyl-N-octyl-, chloride	Present	X	-	226-901-0	-	-	X	KE-11982	X	X
Didecyldimethylammonium chloride	Present	X	-	230-525-2	-	X	X	KE-10281	X	X
Ethyl alcohol	Present	X	-	200-578-6	-	X	X	KE-13217	X	X

**USA****Federal Regulations**

**TSCA** Complies

**California Proposition 65**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Component	CAS-No	Category	Type
Ethyl alcohol	64-17-5	Developmental	

**State Right-to-Know**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethyl alcohol	X	X	X		X

<b>16. OTHER INFORMATION</b>
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**Preparation Date** 25-Oct-2010

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**Disclaimer**

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