

# MATERIAL SAFETY DATA SHEET



## QUEST 256 Neutral Disinfectant Cleaner

HMIS		NFPA		Personal protective equipment	
Health	3	3	3		
Fire Hazard	1	1	1		
Reactivity	0	0	0		

Version Number: 2

Preparation date: 2007-09-26

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** QUEST 256 Neutral Disinfectant Cleaner

**MSDS #:** F-00079001

**Product Code:** 4299444, 4299150, 4299020, 4299110, 4523474

**Recommended use:** Industrial/Institutional. Disinfectant Cleaner.

**Manufacturer, importer, supplier:**  
 US Headquarters  
 JohnsonDiversey, Inc.  
 8310 16th St.  
 Sturtevant, Wisconsin 53177-0902  
 Phone: 1-888-352-2249  
 MSDS Internet Address:  
 www.johnsondiversey.com

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. CAUSES EYE AND SKIN BURNS. MAY BE FATAL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED.

**Principle routes of exposure:** Eye contact. Skin contact. Inhalation.

**Eye contact:** Corrosive. Causes irreversible eye damage. Causes permanent eye damage, including blindness.

**Skin contact:** Corrosive. May cause permanent damage.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion:** Corrosive. May cause burns to mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Diocetyl dimethyl ammonium chloride	5538-94-3	1 - 5%		Not available	Not available
N-alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	5 - 10%		Not available	Not available
Di-n-alkyl dimethyl ammonium chloride	68424-95-3	5 - 10%		Not available	Not available
Didecyl dimethyl ammonium chloride	7173-51-5	1 - 5%	84	Not available	Not available
Trisodium salt of NTA	5064-31-3	0.1 - 1.5%		Not available	Not available
Ethyl alcohol	64-17-5	1 - 5%	1501	Not available	=124.7 mg/L (4 h)

### 4. FIRST AID MEASURES

**Eye contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.

**Skin contact:** Flush immediately with plenty of water for at least 15-20 minutes. Call medical attendant, medical doctor, or poison control center.

**Inhalation:** If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

**Ingestion:** Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

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## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Dry chemical, water spray, foam, carbon dioxide.  
**Specific hazards:** Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion.  
**Unusual hazards:** Corrosive material (See sections 8 and 10).  
**Specific methods:** No special methods required

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear  
**Extinguishing media which must not be used for safety reasons:** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Use appropriate containment to avoid environmental contamination. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:**  
 Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.  
**Storage:**  
 Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Store in a cool, dry, well ventilated area away from heat or open flame. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**  
 Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

### Personal Protective Equipment

**Eye protection:** Chemical-splash goggles.  
**Hand protection:** Chemical-resistant gloves. Includes: neoprene gloves.  
**Skin and body protection:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)	1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Liquid	<b>Bulk density:</b> No information available
<b>pH:</b> 7.3	<b>Dilution pH:</b> No information available.
<b>Appearance:</b> No information available	<b>Vapor density:</b> No information available
<b>Color:</b> Blue Green	<b>Evaporation Rate:</b> No information available
<b>Odor:</b>	<b>Boiling point/range:</b> Not determined
<b>Specific gravity:</b> 1.016	<b>Melting point/range:</b> Not determined
<b>Density:</b> 8.48	<b>Decomposition temperature:</b> Not determined
<b>VOC:</b> % *	<b>Autoignition temperature:</b> No information available
<b>Flash point:</b> 130°F 54°C	<b>Partition coefficient (n-octanol/water):</b> No information available
<b>Solubility:</b> completely soluble	<b>Solubility in other solvents:</b> No information available
<b>Viscosity:</b> No information available	

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** Hazardous polymerization does not occur

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**Hazardous decomposition products:** None reasonably foreseeable.  
**Conditions to avoid:** Do not freeze.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Corrosive. Oral LD50 estimated to be between 500 - 5000 mg/kg. Dermal LD50 estimated to be between 200 - 2000 mg/kg.

**Component Information:** See Section 3

**Chronic toxicity:** None known

### Specific effects

**Carcinogenic effects:** None known

**Mutagenic effects:** None known

**Reproductive toxicity:** None known

**Target organ effects:** None known

### HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	NTP	IARC	OSHA
Trisodium salt of NTA	5064-31-3		2B	X
Ethyl alcohol	64-17-5	X		X

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

## 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal

### **Waste from residues / unused products:**

PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes. Undiluted product is regulated under environmental and transportation laws as a corrosive waste.

### **Pesticide Storage:**

Store in a dry place no lower in temperature than 50°F or higher than 120°F.

### **Pesticide Disposal:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **Container Disposal:**

Do not reuse, wrap empty container and put in trash.

## 14. TRANSPORT INFORMATION

**DOT/TDG:** Please refer to the Bill of Lading/receiving documents for up to date shipping information

## 15. REGULATORY INFORMATION

### International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), China (IECSC).

### U.S. Regulations

**EPA Reg. No. :** 1839-167-7176

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

### CERCLA/ SARA

None

### SARA 311/312 Hazard Categories

**Immediate:** x  
**Delayed:** -  
**Fire:** x  
**Reactivity:** -  
**Sudden Release of Pressure:** -

## 16. OTHER INFORMATION

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**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** None

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