

**Section 1 – Product & Company Identification**

Product Name: Lemon NeutraQuat Disinfectant Cleaner  
 Product ID Number: 252L  
 Product Use: Disinfectant/Cleaner/Deodorizer  
 Product Class: Quaternary Ammonium Compound  
 EPA Reg. Number: 6836-204-5747  
 Manufacturer:

Arrow Chemical Products, Inc.  
 2067 Ste. Anne  
 Detroit, MI 48216  
 313-237-0277  
 24 hr. Emergency Assistance: Infotrac 1-800-535-5053



**Section 2 – Composition/Information on Ingredients**

<u>INGREDIENT</u>	<u>CAS#</u>	<u>% by Weight</u>	<u>Exposure Limits</u>	<u>LC<sub>50</sub>/LD<sub>50</sub></u>
Alkyl dimethyl ammonium chloride	7173-51-5	<5	Not established	See Section 11
Ethanol	64-17-5	<2	ACGIH TLV, OSHA PEL 1000 ppm (TWA) US, CANADA, MEXICO	Acute Oral LD50: >1000 mg/kg (Rats) Acute Dermal: >2000 mg/kg (Rats)

**Section 3 – Hazards Identification**

Emergency Overview: May be irritating to: eyes, skin, gastrointestinal tract, and respiratory system.

Potential Health Effects:

Skin: Direct contact may cause skin irritation. Prolonged contact may cause skin burns.

Eyes: Direct contact will produce severe irritation and/or burns.

Inhalation: Mists and vapors can irritate the throat and respiratory tract.

Ingestion: Can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and/or convulsions.

**Section 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/Clothing: Wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention.

Wash clothing and decontaminate shoes before reuse.

Inhalation: Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

Ingestion: Immediately give 3-4 glasses of milk (if unavailable, give water). Do NOT induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention.

Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

**Section 5 – Fire Fighting Measures**

Flash Point: 230° F. – (closed cup)

Upper - Lower: Not applicable.

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.

Fire Fighting Equipment & Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

Hazardous Combustion Products: Products of combustion are toxic.

**Section 6 – Accidental Release Measures**

Spill and Leak Procedures

CAUTION. Wear appropriate protective gear and respiratory protection where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred). Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid to containers for recovery or disposal. Keep spill out of sewers and open bodies of water. WASTE DISPOSAL: In accordance with all Federal, state and local laws and regulations. Incineration is the preferred method.

**Section 7 – Handling & Storage**

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash thoroughly after using with soap and water.

Storage Procedures: Keep container tightly closed and in a cool, well-ventilated place. Keep from freezing. Store at temperatures below 140° F. Do not contaminate drinking water, food or feed by storage or disposal.

**Section 8 – Exposure Controls/Personal Protection**

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protective Equipment:

Eyes/Face: Wear chemical goggles. Use a face shield if splashing is possible.

Skin: Use rubber or neoprene gloves. Wear suitable protective clothing.

Respiratory: Not necessary unless exposure limits are exceeded, then use a NIOSH/MSNA approved respirator.

General: Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

<u>INGREDIENT</u>	<u>EXPOSURE GUIDELINE</u>	<u>GUIDELINE VALUE</u>
Ethanol (CAS# 64-17-5)	ACGIH TLV, OSHA PEL & NIOSH REL	1000 PPM (TWA)

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

**Section 9 – Physical & Chemical Properties**

Specific Gravity: 1.00

Percent Volatiles: Not determined.

VOC Content: < 1

Evaporation Rate: Not determined.

pH: 7.5 - 8.5

Appearance and Odor: Yellow colored liquid, Lemon fragrance.

