

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

DISTRIBUTOR: Kendall and Son, Ltd.  
 ADDRESS: 1303 Industrial Dr., P.O. Box 1059, Royse City, TX 75189  
 EMERGENCY TELEPHONE NUMBER: 800-535-5053  
 Product Name: NEUTRO QUAT Neutral Disinfectant Cleaner

Issue Date: 06-11-09  
 Supersedes Date:

**Section 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Component/CAS #	% by Wt.
Octyl decyl dimethyl ammonium chloride (CAS# 32426-11-2)	15.24%
Dioctyl dimethyl ammonium chloride (CAS# 5538-94-3)	7.62%
Didecyl dimethyl ammonium chloride (CAS# 7173-51-5)	7.62%
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride (CAS# 68424-85-1)	20.32%

**Section 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:**

Appearance/Odor: Clear, dark green liquid  
 Concentrate may cause eye irritation. Prolonged or repeated contact with skin may cause irritation. May cause gastric distress if ingested.  
 Potential Health Effects: See Section 11 for more information  
 Likely Routes of Exposure: skin contact, eye contact, inhalation  
 Skin: Brief exposures may cause irritation of the skin.  
 Eyes: Causes irritation to eyes.  
 Inhalation: Mists and vapors can irritate the throat and respiratory tract.  
 Ingestion: Ingestion can cause gastrointestinal distress.  
 This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.  
 This Material is NOT considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200).  
 Potential Environmental Effects: See Section 12 for more information)

**Section 4: FIRST AID MEASURES**

FOR SKIN: Wash off skin and remove contaminated clothing. Do not reuse contaminated clothing.  
 FOR EYES: Flush eyes immediately with plenty of water for at least 15 minutes. Seek immediate medical aid.  
 IF INGESTED: If swallowed, do not induce vomiting. Have a person sip a glass of water if able to swallow. Consult a physician immediately.  
 INHALATION: Move person to fresh air. Seek immediate medical attention.  
 If person is not breathing give artificial respiration.

**Section 5: FIRE FIGHTING MEASURES**

FLASH POINT (°F): 140° F  
 FLAMMABLE LIMITS: Not determined.  
 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: Irritating and toxic gases or fumes may be released during a fire.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion products are harmful.

**Section 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use personal protection recommended in Section 8.  
 Prevent entry into waterways, sewers, basements or confined areas. For small spills: isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area. Large Spills: Dike far ahead of liquid spill for later disposal. Pump into containers for disposal.

**Section 7: HANDLING AND STORAGE**

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Storage Procedures: Keep the container tightly closed and in a cool, well-ventilated place. Store between 50° and 100° F at relative humidity 50-60%. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of reach of children.  
 DO NOT REUSE EMPTY CONTAINER. TRIPLE RINSE (OR EQUIVALENT) CONTAINER BEFORE 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 and face shield.  
 Personal Protective Equipment: Skin Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. Use impervious gloves. Personal Protective Equipment: Respiratory – Generally not required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for ammoniac vapors should be worn.  
 Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.  
 Eye wash fountain and emergency showers are recommended.  
 No ingredients have established exposure guidelines by ACGIH, NIOSH and OSHA.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT (°F): N.D. SPECIFIC GRAVITY: .94 (on dilution ≈ 1.0)  
 VAPOR PRESSURE: Not Est. % VOLATILES BY WEIGHT: >10 (on dilution <1)  
 VAPOR DENSITY: Heavier than air EVAPORATION RATES: Slower than ethyl ether  
 SOLUBILITY IN WATER: Complete  
 APPEARANCE: Clear, dark green liquid pH: @ Use Dilution 7.5-8.0  
 ODOR: Pleasant

**Section 10: STABILITY AND REACTIVITY**

STABILITY: Stable.  
 CONDITIONS TO AVOID: Keep from freezing, excessive heat and strong oxidizing agents.  
 INCOMPATIBILITY: Strong oxidizing (may result in fire), reducing agents.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.  
 HAZARDOUS POLYMERIZATION: Will not occur.

**Section 11: TOXICOLOGY INFORMATION**

ACUTE EFFECTS for Alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1  
 Oral LD50: 426 mg/kg in rats; 919 mg/kg in mice (NIOSH)  
 Dermal LDSO: Not determined  
 Inhalation: No data available  
 Eye: Irritant  
 Skin: Irritant  
 Sensitization: No data available  
 CHRONIC EFFECTS  
 Carcinogenicity: No ingredients listed as potential or known carcinogens by OSHA, IARC or NTP.  
 Mutagenicity: No data available  
 Reproductive Effect: No data available  
 Developmental Effects: No data available

**Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity: No data available for this product but it is considered toxic to fish.  
 Persistence/ Degradability: Biodegradable  
 Bioaccumulation/ Accumulation: No data available  
 Mobility in Environment: No data available

**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD:  
 Although not considered a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.  
 The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

**Section 14: TRANSPORTATION INFORMATION**

US DOT (ground)  
 DOT Hazard Class: Not regulated  
 Proper Shipping Description: Not applicable  
 Canadian TDG (ground): See US DOT  
 ICAO (air): See US DOT  
 IMDG (water): See US DOT

**Section 15: REGULATORY INFORMATION**

TSCA Status  
 While all ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.  
 Other Chemical Inventories  
 All components of this product are listed on the following inventories: Canada (DSL), European Union, China, Korean and Philippines. One or more ingredients are not listed on the following inventories: Australia and Japan. Most exclude "pesticides" from regulation.  
 WHMIS: Class D-2B, Toxic Material other Toxic Effects.

**Section 16: OTHER INFORMATION**

HAZARD Ratings NFPA 704 HMIS

HEALTH:	1	1
FLAMMABILITY:	0	0
Physical Hazard:	0	0

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his own particular use.