

SAFETY DATA SHEET

Section 1 – Identification

Product Name: Liquid Winterizer (kits)
 EPA Reg Number: Non registered
 Chemical Names: Quat, Alkyl dimethyl benzyl ammonium chloride
 Chemical Family: Quaternary Ammonium Compound
 Description: Winterizer intended for use in swim pools
 OSHA Hazard Classification: Non-Hazardous

Manufacturer: Qualco, Inc.	Phone No.: 973-473-1222
Address: 225 Passaic Street	Fax No.: 973-473-0535
Passaic, NJ 07055	Emergency: 1-800-424-9300 (Chemtrec)

Section 2 – Hazards Identification

Quaternary Ammonium Compound Blend:
 UN: 1993
 Hazchem: 2 Z
 Corrosive, flammable



Section 3 – Composition/Information on Ingredients

PROPRIETARY INFORMATION

INGREDIENT	UN NO.
Quaternary Ammonium Compound Blend	1993
Ethanol/Isopropanol	
This product is a 2.5% solution of the above	

Section 4 – First Aid Measures

SKIN CONTACT: Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a physician.

EYE CONTACT: Flush immediately with copious amounts of tap water or normal saline solution for a minimum of 15 minutes. Take exposed individual to a physician, preferably an ophthalmologist, for further evaluation.

INGESTION: DO NOT INDUCE VOMITING. Rinse mouth with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) or two (2) glasses of water or milk. In cases where the individual is semi-comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of unintentional ingestion of the product, seek medical assistance immediately; take individual to the nearest medical facility.

INHALATION: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek medical attention immediately. If breathing is abnormal, ventilate the lungs with 100% humidified oxygen for 30 minutes every hour until symptom subside

NOTE TO PHYSICIAN: No product specific antidote is known. Probable mucosal damage may contraindicate the use of gastric lavage. Treat symptoms.

Section 5 – Fire Fighting Measures

FLASH POINT: >65°C (PMCC)

EXTINGUISHING MEDIA: Water, foam, dry chemical powder or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Do not contaminate oxidizing agents if stored nearby

Section 6 – Accidental Release Measures

LARGE SPILLS: Contain area to prevent spill from spreading. Minimize adverse effects on the environment. Recover as much as possible of the pure product into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Clay, soil or commercially available adsorbents may be used to recover any material that cannot be recovered as pure product. Dispose in approved landfill.

SMALL SPILLS: Residual material may not be flushed down municipal sewers.

PRODUCT DISPOSAL: Product is a hazardous waste. Dispose in an approved landfill.

Section 7 – Handling and Storage

HANDLING PRECAUTIONS: Rubber gloves and safety glasses or goggles required. Eye wash fountains in the work place are strongly recommended.

STORAGE CONDITIONS: Keep cool and dry in a tightly sealed container away from direct sunlight. Do not store close to strong oxidizers or reducing agents. Stainless steel, polypropylene containers are recommended.

Section 8 – Exposure Controls/Personal Protection

OCCUPATIONAL EXPOSURE LIMIT: 1000 ppm TWA

Rubber gloves and safety glasses or goggles required
Eye wash fountains in the work place are strongly recommended.
Body-protective clothing and shoes are recommended.

Section 9 – Physical and Chemical Properties

APPEARANCE AND ODOR: Colorless to pale yellow liquid, slight odor

SOLUBILITY IN WATER: Soluble

pH 10% SOLUTION: 5.0-7.0

BOILING POINT: 100°C

DENSITY: 0.96 – 0.98

Section 10 – Stability and Reactivity

STABILITY: Stable under normal conditions of use and storage

INCOMPATIBILITY: Anionic Polymers and strong oxidizing or reducing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen and hydrogen chloride

Section 11 – Toxicological Information

ACUTE EFFECTS: Oral LD50: 1153 mg/kg by calculation
Dermal LD50: 7650 mg/kg by calculation

IRRITANT EFFECTS: Irritating to eyes and skin and harmful if swallowed when in concentrated form.

Section 12 – Ecological Information

May not be flushed down municipal sewers. The product is a strong algaecide and will destroy marine plant life and fish.

Section 13 – Disposal Considerations

Product is not a hazardous waste. Dispose in an approved landfill.

Section 14 – Transport Information

DOT SHIPPING: 3.3

ADR: Directory Class 3 Flammable liquid

Section 15 – Regulatory Information

US FEDERAL REGULATIONS: This product is considered a pesticide, and is therefore excluded from United States TSCA Regulations.

REPORTABLE QUANTITY: There is no calculable reportable quantity (RQ) for this product.

CERCLA (Superfund) REPORTABLE QUANTITY: None

FDA APPROVALS:

Section 16 – Other Information

HAZARD RATINGS	HMIS (III)	NFPA
Health	3	3
Flammability	2	2
Reactivity	0	0
PPE	C	

DATE PREPARED: 12-03-14

DISCLAIMER

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