

## 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 contains quat and can 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: Not regulated  
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: 07-20-20

#### DISCLAIMER

TERMS AND CONDITIONS: This SDS is designed only as guidance for the product to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor agents, directors, officers, contractors or employees of either) are liable to any party for the damages of any nature, including direct, special or consequential damages arising out of or in connection with accuracy, completeness, adequacy or furnishing of any information in the MSDS, or in any other way related (directly or indirectly) to this MSDS. The receipt and use of this information constitutes consent to these terms and conditions

## SAFETY DATA SHEET

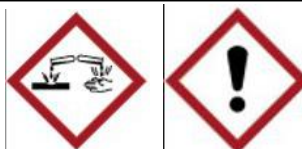
### Section 1 – Identification

Product Name: Winterizing Powder  
 Chemical Names: Quat, Alkyl dimethyl benzyl ammonium chloride  
 Chemical Family: Quaternary Ammonium Compound  
 Description: Winterizer intended for use in swim pools  
 Also Contains: Sodium Carbonate and Sodium Chloride  
 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



### Section 3 – Composition/Information on Ingredients

**PROPRIETARY INFORMATION**

INGREDIENT	UN NO.
Quaternary Ammonium Compound Blend	1993
Sodium Carbonate	
Winterizing product used to condition and treat pool water during the winter months	

### 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:** This product, if spilled, can be recovered and reused if contamination does not present a problem. Vacuum or sweep up the material. If the spilled product is unusable due to contamination, consult state or federal environmental agencies for acceptable disposal procedures and locations.

### 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 powder, slight odor

SOLUBILITY IN WATER: Soluble

pH 10% SOLUTION: 11.1

BOILING POINT: Not applicable

DENSITY: No data

### 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. Follow Federal, State and local municipality guidelines

### Section 13 – Disposal Considerations

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

### Section 14 – Transport Information

DOT SHIPPING: Not applicable

ADR: Not applicable

### Section 15 – Regulatory Information

US FEDERAL REGULATIONS: Not applicable  
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: 12-18-18

#### DISCLAIMER

TERMS AND CONDITIONS: This SDS is designed only as guidance for the product to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor agents, directors, officers, contractors or employees of either) are liable to any party for the damages of any nature, including direct, special or consequential damages arising out of or in connection with accuracy, completeness, adequacy or furnishing of any information in the MSDS, or in any other way related (directly or indirectly) to this MSDS. The receipt and use of this information constitutes consent to these terms and conditions

# SAFETY DATA SHEET

## WINTER STAIN OUT

### SECTION 1 – Chemical Product and Company Identification

MSDS Name: Winter Stain Out

Synonyms: Stain Eliminator, HEDP,

Company Identification: Qualco, Inc. / 225 Passaic Street / Passaic, NJ 07055

Company Phone Number: 973-473-1222

Emergency Phone Number: CHEMTREC – 1-800-424-9300

### SECTION 2 – Hazards Identification

Avoid breathing vapors or spray mists. Corrosive to eyes, irritating to the skin and respiratory systems.

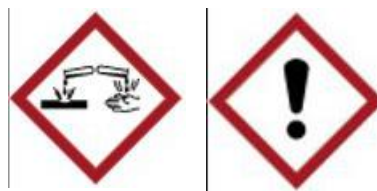
#### Primary Route(s) of Entry:

Ingestion: ( )

Inhalation: (X)

Skin Contact: (X)

Eye Contact: (X)



#### Primary Health Hazards (Acute and Chronic):

##### Acute:

**Ingestion:** Ingestion is not expected to be a primary route of exposure.

**Inhalation:** May be harmful if inhaled. Do not breathe spray mists of the undiluted product. Effects will depend upon solution strength and length of time of exposure.

**Skin Contact:** Hazardous in case of skin contact may produce burns. Itching, scaling, redness or occasional blistering characterizes skin inflammation.

**Eye Contact:** Very hazardous in case of eye contact (irritant, corrosive), redness watering and itching characterize inflammation of the eye.

##### Chronic:

Not toxic to aquatic organisms and not suspected of long term adverse effects in the aquatic environment.

#### Carcinogenicity Listings:

OSHA: ( )

NTP: ( )

IARC: ( )

#### Signs & Symptoms of Exposure

Ingestion:

Inhalation:

Skin Contact:

Eye Contact:

### SECTION 3 – Composition/Information on Ingredients

CAS NOS.: 2809-21-4

Chemical Name: 1-hydroxyethylidene-1, 1-disphosphonic acid

Also Contains: citric acid and water

## **SECTION 4 – First Aid Measures**

### **Emergency and First Aid Procedures:**

**Ingestion:** DO NOT induce vomiting. Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one or two glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi comatose, comatose, or convulsing, DO NOT give fluids by mouth. In case of intentional ingestion of the product, seek medical assistance immediately; take individual to 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 breathing, or is cyanotic, seek medical attention immediately.

**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 health care professional.

**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 health care professional, preferably an ophthalmologist, for further evaluations.

## **SECTION 5 – Fire Fighting Measures**

### **Fire and Explosion Hazard Data:**

**Flash Point (Closed Cup):** >100oC (212oF). (Tagliabue).

**Flammable Limits:** Not Available

LEL:

UEL:

**Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.

**Special Fire-fighting Procedures:** Fire fighters should wear positive pressure self-contained breathing apparatus. (SCBA) and full turnout gear.

**Unusual Fire and Explosion Hazards:** None known

## **SECTION 6 – Accidental Release Measures**

**Steps To Be Taken In Case Material Is Spilled Or Released:** IMPORTANT: Before responding to spill or leak from this product, review each section of this MSDS. Follow the recommendations given in the Handling Precaution sections. Check the Fire and Explosion Data section to determine if the use of non-sparking tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of affected areas.

Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Based on the products toxicological and chemical properties, and on the size and location of the spill, or leak access, the impact on contaminated environments (e.g. water systems, ground air equipments, etc.), there are not methods available to completely eliminate any toxicity this product many have on aquatic environments. Minimize adverse effects on these environments. Determine if Federal, State and/or local release notification is required. Recover as much of the pure product as possible into appropriate containers. Later determine if this recovered product can be used for its intended purpose. Address clean up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that cannot readily be recovered as pure product.



Flushing residual material to an industrial sewer, if present at the site of a spill, or leak incident, may be acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials.

## **SECTION 7 – Handling and Storage**

**Precautions To Be Taken In Handling and Storage:** Rubber gloves, safety glasses or goggles , body protective clothing and shoes are required. Eyewash fountains in the workplace are recommended. If splashing can occur, a face shield is advisable. Provide dilution ventilation to control vapor and/or mist level. When misting may occur in the work area, a NIOSH/MSHA approved respirator may be required. Use a respirator approved for the material and level of exposure. A comprehensive respiratory protection program is needed when respirators must be used. The handling precautions for this product are based on characteristics of the neat product unless otherwise specified.

**Other Precautions:**

## **SECTION 8 – Exposure Controls, Personal Protection**

**Respiratory Protection:** When misting may occur in the work area, a NIOSH/MSHA approved respirator may be required. Use a respirator approved for the material and level of exposure. A comprehensive respiratory protection program is needed when a respirator must be used.

**Ventilation:** Provide dilution ventilation to control vapor and/or mist level.

Local Exhaust:

Mechanical Exhaust:

**Other Protective Clothing or Equipment:** Rubber gloves, safety glasses or goggles, body protective clothing and shoes are required.

**Work/Hygienic Practices:** Eye wash fountains in the work place are recommended.

## **SECTION 9 – Physical and Chemical Properties**

**Boiling Point:** 100°C (212°F)

**Vapor Pressure (mm Hg):** 17 mm of Hg (@20°C)

**Vapor Density (Air=1):** 1.46 g/cm<sup>3</sup> @20°C (68°F)

**Solubility in Water:** Soluble in cold or hot water

**Appearance:** Clear colorless liquid

**Odor:** Characteristic odor

**Specific Gravity:** (H<sub>2</sub>O=1)

**Percent Volatile by Volume:**

**Melting Point:** Not available

**Evaporation Rate:**

**pH (Neat):** Not Available

**pH (100 ppm in water):** Not available

**o/w Partition Coefficient:** Not available

**Oxidizing/Reducing Properties:** Not available

**Viscosity: Dynamic:** 64 Cp

**Additional pH Information:** pH (1% solution) = 2.0

## SECTION 10 – Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:**

**Incompatibilities with Other Materials:** Strong oxidizers, strong bases.

**Hazardous Decomposition Products:** Oxides of both phosphorous and carbon; acids of phosphorous.

**Hazardous Polymerization:** Has not been reported.

## SECTION 11 – Toxicological Information

**Acute Toxicity:**

**Acute Oral:** LD50=2000 mg/kg Rat

**Acute Dermal:** LD50=10000 mg/kg rabbit

**Irritant Sensitization Effects:** Very hazardous in case of eye contact (irritant, corrosive). Redness, watering and itching characterize inflammation of the eye. Hazardous in case of skin contact (irritant). Non-corrosive for skin. Non-sensitizer for skin. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or occasional blistering.

**Target Organ Toxicity:** May cause damage to the following organs: blood, gastrointestinal tract, upper respiratory tract, skin, eyes, bones.

**Reproductive and Development Toxicity:**

**Carcinogenicity:** Not shown as a carcinogen by OSHA, IARC, or NTP.

**Mutagenicity:**

Other Health Effects: None Known.

## SECTION 12 – Ecological Information

**Aquatic Toxicity:** Non-toxic to aquatic organisms and not suspected to long-term adverse effects in the aquatic environments.

LC50=>368 mg/l 96 hours Rainbow trout

LC50=527 mg/l 48 hours Daphnia magna

**Avian Toxicity:**

## SECTION 13 – Disposal Considerations

**Waste Disposal Method:** Follow Federal, State and local regulations governing the disposal of waste materials.

**Contaminated Materials:** Determine if waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management.

## SECTION 14 – Transport Information

**US DOT**

**Shipping Name:** Not Regulated

**Hazard Class:** Not applicable

**UN Number:** Not applicable

**Packing Group:** Not applicable

## **SECTION 15 – Regulatory Information**

### **SARA Title III:**

**Section 302 Extremely Hazardous Substances List:** No components of this product are listed.

**Section 312 Hazard Category:** Immediate (Acute) Health Hazard

**Section 313 Toxic Chemical List:** No components of this product are present above the de minimus levels

**CERCLA:** No components of this product are above de minimus levels.

**FIFRA:** This product is not a registered pesticide.

### **HMIS/NPCA Rating:**

Health=2      Flammability=1      Reactivity= 1

### **NFPA Ratings:**

Health=2      Flammability=1      Reactivity=1

### **State Regulations:**

Various State Right To Know Acts: Non-proprietary hazardous chemicals are listed in Section II of this MSDS

## **SECTION 16 – Other Information**

**MSDS Creation Date:** June 2010

**Revision Date:** December 2017

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.