

MATERIAL SAFETY DATA SHEET**POOL TROL LIQUID FLOC RITE****Section I – General Information**

Manufacturer's Name: Qualco, Inc. Telephone Number: 973-473-1222
 Manufacturer's Address: 225 Passaic Street Emergency Telephone No: 1-800-424-9300
 Passaic, NJ 07055 or 1-973-473-1222

Proper Shipping Name (49CFR 172.101): None
 DOT Hazard Name (49CFR 172.10): None
 DOT ID Number (49CFR 172.101): None
 RCRA Hazard Class (40 CFR 261)(If discarded): None
 EPA Priority Pollutants (40 CFR 122.53): None
 Health (NFPA): 2 Flammability (NFPA): 0 Reactivity (NFPA): 0

NSF Name: Sumalchlor 50
 Maximum use of product in potable water is 250 mg/l
 Description: Proprietary blend

Section II – Hazardous Ingredients as Defined in 29 CFR 1910.1200

CAS No.: Proprietary
 Ingredient: Contains water soluble aluminum compounds
 Exposure Limits: OSHA PEL/ACGIH TLV for Aluminum Soluble Salts: TWA 2 Mg/M³ as aluminum

AQUATIC TOXICITY

Species:	LC50/hrs			
Pimelphales Promelas:	10.56mg/L/24hrs	832mg/L/48hrs	684mg/L/72hrs	609mg/L/96hrs
Daphnia Magna	642mg/L/24hrs	397mg/L/48hrs		

Section III – Effects of Overexposure

Eye: Direct contact irritates slightly to moderately with redness and swelling
 Skin: A single relatively short exposure causes no known adverse effect. Repeated exposures may irritate.
 Inhalation: Inhaling dust or mist created during use may injure the respiratory system and cause an adverse lung reaction.
 Oral: Small amounts transferred to the mouth by fingers during use, etc. should not injure. Swallowing large amounts may cause injury.
 Comments: This product, as with any chemical, may enhance allergic conditions on certain people.

Section IV – Emergency and First Aid Procedures

Eyes: Immediately flush with water for 15 minutes. Get immediate medical attention.
 Skin: Wipe off and flush with water for 15 minutes. Get immediate medical attention.
 Inhalation: Get medical attention if there is any discomfort.
 Oral: Get medical attention if large amounts swallowed or there is any discomfort.

Section V – Fire and Explosion Data

Flash Point (Method Used): None, not flammable
Extinguishing Media: Cool containers with water fog.
Special Fire Fighting Procedures: Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
Unusual Fire and Explosion Hazards: Hazardous chlorine compounds may form when exposed to fire or high heat.

Section VI – Physical Data

Boiling Point (at 760 mm/hg): approximately 212°F/100°C
Specific Gravity: (at 77°F/25°C): 1.34
Melting Point: Approximately 32°F/0°C
Vapor Pressure (at 77°F/25°C): 24mm (water)
Vapor Density (Air=1 at 77°F/25°C): that of moist air
Percent Volatile by Weight (%): 50% (water)
Evaporation Rate: As water
Solubility in Water (%): Approximately 100
Odor, Appearance, Color: No odor, liquid, clear and colorless.
NOTE: The above information is not intended for use in preparing product specifications. Contact manufacturer before writing specifications.

Section VII – Reactivity Data

Stability: Stable
Incompatibility (Material to Avoid): Oxidizing material can cause a reaction. Caustics will precipitate aluminum hydroxide.
Conditions to Avoid: Exposure to above and continuous high temperatures.
Hazardous decomposition products: Chlorine compounds, metal oxides
Hazardous polymerization: Will not occur.

Section VIII – Spill, Leak, Maintenance/Repair and Disposal Procedures

Steps to be taken in case material is released or spilled: Use absorbent material to collect and contain. Wash with clear water only.
PERSONAL PROTECTIVE EQUIPMENT:
Eyes: Safety glasses, as a minimum, goggles if splashing could occur.
Skin: Washing at mealtime and end of shift is adequate.
Inhalation: No respiratory protection should be needed.
Waste Disposal Method: Manufacturer suggests that all local, state, and federal regulations concerning health and pollution be reviewed to determine approved disposal procedures. Contact manufacturer if there are any disposal questions.

DOT (49 CFR 171.8) EPA (40 CFR 117) spill reporting information:
Hazardous Substance: None
Reportable Quantity: Not applicable
Concentration of Hazardous Substance: Not applicable
Reportable Quantity of Product: Not applicable
See Section XI for additional sara compliance information.

Section IX – Routine Handling Precautions

Personal Protective Equipment:

Eyes: Safety glasses, as a minimum, goggles if splashing could occur.

Skin*: Washing at mealtime and end of shift is adequate.

Inhalation: No respiratory protection should be needed unless mists are created.

Ventilation: Local Exhaust: None should be needed. General ventilation recommended.

Suitable respirator: Dust/Mist type

These precautions are for room temperature handling. Use at elevated temperatures, or aerosol/spray applications may require added precautions

*Good practices requires that gross amount of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

Comments: Avoid eye contact.

Section X – Special Precautions

Use reasonable care and caution in handling and storage. Store between 32°F/0°C and 120°F/49°C.

Section XI – Comments

Additional sara regulatory compliance information

Section 312 Notification: Not applicable either none present or none present in regulated quantities.

These data are offered in good faith as typical values, not as product specification.

No warranty, either expressed or implied, is hereby made, the recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use, and determine whether they are appropriate.

All components of this product are on the following inventories:

US TSCA, Canada DSL, Europe EINECS