

# SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name:** Pool Trol Chlorine Stabilizer

**Alternate Product:** Cyanuric Acid, 2,4,6-trihydroxy-1, 3, 5 triazine

**Chemical Formula:** C<sub>3</sub>H<sub>3</sub>N<sub>3</sub>O<sub>3</sub>

**General Use:** Used in swim pool water to extend chlorine life

This chemical is certified ANSI/NSF Standard 60, Drinking Water Chemicals – Health Effects (as packaged in the original, unopened container).

**Manufacturer:**

QUALCO, INC.  
225 Passaic Street  
Passaic, NJ 07936

**Emergency Telephone Numbers:**

800-424-9300 (CHEMTREC – US)  
973-473-1222 (Qualco, Inc.)

**Supplied by:**

Qualco, Inc.  
225 Passaic Street  
Passaic, NJ 07055

## 2. Hazards Identification

**Classification of the substance or mixture**

Not a hazardous substance or mixture

**GHS Label Elements, including Precautionary Statements:**

Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None



## 3. Composition & Information on Ingredients

Chemical Name	CAS #	Wt. %	EC No.
Cyanuric Acid	105-80-5	129.07 g/mol	203-618-0

**Synonyms:** CYA, stabilizer, 2,4,6-trihydroxy-1, 3, 5 triazine

**Component:** Cyanuric Acid <=100%

## 4. First Aid Measures

**Eyes:** Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. See a medical doctor or ophthalmologist as necessary.

**Skin:** Wash with plenty of soap and water. If skin irritation persists, seek medical attention.

**Ingestion:** Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.

**Inhalation:** Remove to fresh air. If breathing is difficult or discomfort occurs and persists, obtain medical attention. If person is not breathing, give artificial respiration. Get immediate medical attention

**Important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labeling (see Section 2.2) and in Section 11.

**Indication of any immediate medical attention and special treatment needed:** No data available.

## 5. Fire Fighting Measures

**Extinguishing Media:**

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Special Hazards Arising from the substance or mixture:** Carbon oxides, Nitrogen oxides (NO<sub>x</sub>)

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further Information:** No data available

## 6. Accidental Release Measures

**Personal Precautions:** Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection, see Section 8.

**Environmental Precautions:** No special environmental precautions required.

**Methods and materials for containment and cleaning up:** Sweep up and shovel. Keep in suitable closed containers for disposal.

**Reference to other sections:** For disposal, see section 13.

## 7. Handling and Storage

**Handling:** Further processing of solid materials may result in the formulation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions, see section 2.2.

**Storage:** Keep container tightly closed in a dry, well ventilated place.

**Specific End Uses:** Apart from the uses mentioned in Section 1.2 no other specific uses are stipulated.

## 8. Exposure Controls / Personal Protection

**Control Parameters:**

**Components with workplace control parameters**

Component	CAS No.		Value	Control Parameters	Basis
Cyanuric Acid	108-80-5	TWA	10.000000 mg/m <sup>3</sup>		USA workplace Environmental Exposure Level
		TWA	10.000000 mg/m <sup>3</sup>		USA workplace Environmental Exposure Level

**Exposure Controls:**

**Appropriate Engineering Controls:** General industrial hygiene practice.

**Personal Protective Equipment:**

**Eye/Face Protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EH 166(EU).

**Skin Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Full or Splash Contact:** Material-Nitrite Rubber. Minimum layer thickness 0.11 mm, Break through time-480 minutes.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers, It should not be construed as offering an approval for any specific use scenario.

**Body Protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of Environmental Exposure:** No special environmental precautions required.

## 9. Physical and Chemical Properties

**Material is a Solid at normal conditions. (molecular wt. = 129.07)**

**Odor:** Odorless

**Appearance and Color:** White, granular solid

**Auto ignition Temperature:** Not applicable

**Decomposition Temperature:** No data available

**Coefficient of Oil/Water:** log Pow: -1.31 at 25°C (77°F)

**Flammability:** No data available

**Flash Point:** Not flammable

**Melting Point:** >360°C (>680°F)

**Odor Threshold:** Not applicable

**Oxidizing Properties:** Not Applicable

**pH:** No data available

**Evaporation Rate:** No data available

**Solubility In Water:** No data available

**Viscosity:** No data available

**Vapor Density:** Not applicable

**Vapor Pressure:** Not applicable

**Explosive Properties:** No data available

## 10. Stability and Reactivity

**Conditions To Avoid:** No data available.

**Stability:** Stable under recommended storage conditions

**Polymerization:** Will Not Occur

**Incompatible Materials:** Strong Oxidizing Agents

**Hazardous Decomposition Products:** Other decomposition products – No data available. In the event of fire, see Section 5.

## 11. Toxicological Information

### **Acute Toxicity:**

LD50 Oral – Rate – male and female - > 5,000 mg/kg (Fixed Dose Method)

Inhalation: No data available

LD50 Dermal – Rabbit – male and female - > 5,000 mg/kg (OECD Test Guideline 402) – No data available

### **Skin Corrosion/Irritation:**

Skin – Rabbit - Result: No Skin Irritation (OECD Test Guideline 404)

### **Serious Eye Damage?Eye Irritation:**

Eyes – Rabbit – Result: No skin Irritation (OECD Test Guideline 404)

### **Respiratory or skin sensitization:**

No data available

Germ Cell Mutagenicity:

In vitro assay – s. typhimurium – Result negative

Carcinogenicity:

Carcinogenicity – Mouse – Skin – Liver Tumors

Carcinogenicity – Rat – Oral – Tumorigenic: Equivocal tumorigenic agent by RTECS criteria: Blood Lymphomas including Hodgkin's disease.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity:** No data available

**Specific target organ toxicity – single exposure:** No data available

**Specific Target organ toxicity – repeated exposure:** No data available

**Aspiration Hazard:** No data available

**Additional Information:** Repeated dose toxicity – Rat - male – Oral – No observed adverse effect level – 154 mg/kg – Lowest observed adverse effect level – 371 mg/kg

**RTECS:** XZ1800000

**To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated**

## 12. Ecological Information

### **Toxicity:**

**Toxicity To Fish:** Static Test LC50 – Pimephales promelas (fathead minnow) - > 2, 100 mg/l – 96 l

**Toxicity to Daphnia and other aquatic invertebrates:** Static Test LC50 – Daphnia magna (Water flea) - >1,000 mg/l – 48 hr.

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other Adverse Effects:** No data available

### 13. Disposal Considerations

**Waste Treatment Method:**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated Packaging:** Dispose of as unused product.

### 14. Transportation Considerations

**US Dept. Of Transportation (DOT)**

**Proper Shipping Name:** Not Regulated

**Primary Hazard Class / Division:** Not Applicable

**UN / NA Number:** None

**Label(s), Placard(s), Marking(s):** Not Applicable

**Additional Information:**

**Hazardous Substance / RQ:** Not Applicable

**49 STCC Number:** Not Applicable

**International Maritime Dangerous Goods:** Not regulated

### 15. Regulatory Information

**United States**

**SARA Title III (Superfund Amendments and Reauthorization Act)**

**Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section 311 Hazard Categories (40 CFR 370):** No Hazards

**Section 312 Threshold Planning Quantity (40 CFR 370):** No Hazards

**Section 313 Reportable Ingredients (40 CFR 372):** This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimus) reporting levels established by SARA Title III, Section 313.

**Massachusetts Right To Know Components:** No components are subject to Massachusetts Right To Know Act.

**New Jersey Right To know Components:** Cyanuric acid (CAS #108-80-5)

**Pennsylvania Right To know Components:** Cyanuric acid (CAS #108-80-5)

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. Other Information

### HMIS

Health: 0

Flammability: 0

Physical Hazard: 0

Personal Protection (PPE)\*: B

\*Protection = B (Safety glasses and gloves)

HMIS: Hazardous Material Identification System

Degree of Hazard Code:

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

### NFPA

Health: 0

Flammability: 0

Reactivity: 0

Special: None

No Special Requirements

NFPA: National Fire Protection Association

Degree of Hazard Code:

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

### Other Information:

The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In this case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and protection of human welfare and the environment.

The Safety Data Sheet is offered for your information, consideration and investigation as required by Federal Hazardous Products Act and related legislation. The information is believed to be accurate but provides no warranties, either expressed or implied.

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