



## SAFETY DATA SHEET

**Product name** Oreq Cyanuric Acid Test Solution TS875

**Revision date** 6-27-15

**Product ID:** Oreq Cyanuric Acid Test Solution TS875

**Chemical Name:** Cyanuric Acid Test Solution

**Synonyms:** None

**Chemical Formula:** Not Available

**CAS Number:** Not Available

**Product Use:** Testing of Pools and Spas

**Supplier:** Oreq Corporation  
42306 Remington Avenue  
Temecula, CA 92590  
951-296-5076

**Emergency Phone#** Chemtrec: 1-800-424-9300

**EMERGENCY OVERVIEW:** This product can mildly irritate contaminated tissue; may cause moderate irritation upon prolonged exposure.  
**PHYSICAL DESCRIPTION:** Clear, colorless, odorless solution.  
**HEALTH HAZARDS:** No significant health hazards are anticipated under typical circumstances of use or release response; contact with skin may cause mild to moderate irritation, depending on the duration of contact. Contact with eyes can cause irritation and temporary redness.  
**FIRE HAZARDS:** No known fire hazard.  
**PHYSICAL HAZARDS:** Negligible under typical circumstances of use/anticipated emergency response situations.  
**ENVIRONMENTAL HAZARDS:** No significant hazards to animal, plant or aquatic life.

**GHS Classification** Eye Irritant Category 2B – Irritant; Acute Toxicity Category 5.

**Signal Word** WARNING

**Hazard Pictograms** Not Applicable

**Hazard Statement(s)**

H320: Causes eye irritation.

H316: Causes mild skin irritation

H303: May be harmful if swallowed

**Precautionary Statement(s)**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+332+313: IF ON SKIN: If skin irritation occurs: Get medical advice/attention.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**OTHER HAZARDS:** This product contains a small amount of Mercuric Acetate. Exposure to mercury compounds may be harmful to unborn fetuses.



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COMPONENT	CAS NUMBER	EINECS #	% (w/w)	OTHER
Melamine	108-78-1	203-615-4	<0.1%	NE
Mercuric Acetate	1600-27-7	216-491-1	<0.1%	NE
Water	7732-18-5	231-791-2	>98%	NE
Other ingredients that are below 1.0% in concentration (or below 0.1% in concentration for carcinogens). All ingredients are listed per the requirements of regulations pertinent to SDS preparation.			Balance	NE

**EYES:** Hold contaminated eyes open and flush with copious amounts of water for 15 minutes. "Roll" eyes during flush.

**SKIN:** Flush area with warm, running water. Continue rinsing with water for at least 15 minutes, if any evidence of redness or irritation occurs.

**INHALATION:** Obtain fresh air. If necessary, blow nose.

**INGESTION:** Drink copious amounts of water. Contact professional medical personnel or the local poison control center immediately.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None known.

**NFPA FLAMMABILITY CLASSIFICATION:** Not flammable.

**RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, Halon, or any other.

**UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

**UNUSUAL HAZARDS IN FIRE SITUATIONS:** When involved in a fire, this material may produce irritating vapors and toxic gases (e.g., carbon monoxide, carbon dioxide, mercury compounds, oxides of nitrogen).

**Explosion Sensitivity to Mechanical Impact:** Not sensitive.

**Explosion Sensitivity to Static Discharge:** Not sensitive.

**RECOMMENDATIONS TO FIREFIGHTERS:** Wear Self Contained Breathing Apparatus and full protective equipment for fire response. Move containers from fire area if it can be done without risk to personnel. Contaminated equipment should be rinsed thoroughly with water before returning to service.



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**RESPONSE TO INCIDENTAL RELEASES:** Wear gloves and safety glasses when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.

**RESPONSE TO NON-INCIDENTAL RELEASES:** Not anticipated to occur, due to the nature of the product.

**ENVIRONMENTAL PRECAUTIONS:** This product contains a small amount of mercury salt. Avoid response actions that can cause a release of a significant amount of the substance (1 liter or more) into the environment.

**RESPONSE PROCEDURES FOR ANY RELEASE:** Sponge spilled compound with a damp polypad or other absorbent.

**HYGIENE PRACTICES:** Keep out of reach of children. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of vapors, mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up any spilled product immediately.

**HANDLING RECOMMENDATIONS:** Users will dip a vial into pool/spa water, then put several drops of this product into the vial to obtain a color reading. Employees must be appropriately trained to use this product safely as needed.

**STORAGE RECOMMENDATIONS:** Ensure all containers are correctly labeled. Store container in cool, dry place away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals (See Section 10, Stability and Reactivity).

**PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:** Follow practices indicated in Section 6 (Accidental Release Measures).

## U.S. NATIONAL EXPOSURE LIMITS:

COMPONENT	ACGIH TLV (ppm)	OSHA PEL (ppm)	NIOSH REL (ppm)	OTHER
Melamine	NE	NE	NE	NE
Mercuric Acetate; (as Hg; listed under Mercury, inorganic compounds)	0.025 mg/m <sup>3</sup> , Skin	0.1 mg/m <sup>3</sup> , C	0.1 mg/m <sup>3</sup> , C; Vapor, skin	BEI : Total inorganic mercury in urine; prior to shift – 35 µg/g creatinine. Total inorganic mercury in urine; end of shift at end of workweek – 15 µg/g creatinine.

## INTERNATIONAL EXPOSURE LIMITS:

COMPONENT	Exposure Limit ( United Kingdom Compliance Note EH 40)	Federal Republic of Germany (DFG) Maximum Concentration Values in the Workplace (MAKs)	OTHER
Melamine	NE	NE	NE
Mercuric Acetate (as Hg; listed under Mercury, inorganic compounds)	TWA 0.05 mg/m <sup>3</sup> ;STEL 0.15 mg/m <sup>3</sup> ; (Jan. 1993)	0.1 mg/m <sup>3</sup>	AUSTRALIA:TWA 0.05 mg(Hg)/m <sup>3</sup> ;Skin (Jan. 1993) JAPAN:TWA 0.05 mg(Hg)/m <sup>3</sup> (Jan. 1993)



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**ENGINEERING CONTROLS:** Use this product in well-ventilated environment.  
**RESPIRATORY PROTECTION:** None needed under routine circumstances of use.  
**HAND PROTECTION:** Rubber, latex, or neoprene gloves should be used when prolonged contact is anticipated.  
**EYE PROTECTION:** Splash goggles or safety glasses with side shield are recommended if splashes or sprays are anticipated.  
**BODY PROTECTION:** None needed under typical situations of use or handling.

<b>PHYSICAL STATE:</b>	Liquid.	<b>LOWER EXPLOSIVE LIMIT (LEL):</b>	Not applicable.
<b>COLOR:</b>	Clear, colorless.	<b>UPPER EXPLOSIVE LIMIT (UEL):</b>	Not applicable
<b>ODOR:</b>	None.	<b>AUTOIGNITION TEMPERATURE:</b>	Not applicable.
<b>pH:</b>	5.8-6.1.	<b>VAPOR PRESSURE:</b>	≈17.5 mmHg at 20°C.
<b>BOILING POINT:</b>	Approximately 100°C (212°F).	<b>VAPOR DENSITY (air = 1):</b>	≈17.3 g/m <sup>3</sup> at 20°C.
<b>MELTING POINT:</b>	Approximately 0°C (32 °F).	<b>SPECIFIC GRAVITY (water = 1):</b>	Approximately 1.0.
<b>REFRACTIVE INDEX:</b>	Not applicable.	<b>EVAPORATION RATE (water = 1):</b>	≈1.0
<b>VISCOCITY:</b>	≈ 0.890 cP at about 25 °C.	<b>COEFFICIENT OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT):</b>	Not established.
<b>FLASH POINT:</b>	Not applicable		

**RELATIVE STABILITY:** Normally stable.  
**INCOMPATIBILITIES:** Strong oxidizers, strong acids and compounds that react with water.  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**HAZARDOUS CHEMICAL DECOMPOSITION PRODUCTS:** Not applicable.  
**CONDITIONS TO AVOID:** Avoid contact with incompatible chemicals.

**CARCINOGENICITY STATUS:** The following table summarizes the carcinogenicity listing for the components of this product. "NO" indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency

CHEMICAL	IARC	NTP	NIOSH	OSHA	OTHER
Melamine	NO	NO	NO	NO	NO
Mercuric Acetate	IARC 3; Unclassifiable as Human Carcinogen	NO	NO	NO	A4; Not Classifiable as Human Carcinogen, ACGIH MAK-3B: Substances in which in vitro or animal tests yield some evidence of carcinogenicity, but no conclusive rating can be given.
Water	NO	NO	NO	NO	NO



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**REPRODUCTIVE TOXICITY INFORMATION:** Melamine, a component present in small amounts within this solution, may offer a possible risk of impaired fertility under certain circumstances of exposure. This product also contains a small amount of Mercuric Acetate. Exposure to mercury compounds may be harmful to unborn fetuses. Melamine and mercury compounds are known to cause reproductive and tumorigenic effects in laboratory animals.

**TOXICOLOGY DATA:** No data are available for components of this product present in greater than 1 percent concentration.

**TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.

**DEGREE OF IRRITATION:** Mild to moderate, depending on the duration of exposure.

**SENSITIZATION POTENTIAL:** Not applicable.

**TOXICITY TO TERRESTRIAL LIFE:** Based on available data, this product may be harmful to contaminated plants or animal, upon exposures to large volumes or of prolonged duration.

**TOXICITY TO AQUATIC LIFE:** Based on available data, this product may be harmful to contaminated aquatic plants or animals, upon exposures to large volumes.

**MOBILITY, PERSISTENCE, AND DEGRADABILITY:** This product contains a small amount of Mercuric Acetate. It may decompose into various mercury compounds that may persist and may be harmful to the environment.

**BIOACCUMULATION AND BIOCONCENTRATION POTENTIAL:** It is not anticipated that this product will bioaccumulate or bioconcentrate significantly in the environment.

**WASTE HANDLING RECOMMENDATIONS:** Prepare, transport, treat, store, and dispose of waste product according to all applicable local, U.S. State and U.S. Federal regulations, the applicable Canadian standards, or the appropriate standards of the nations of the European Community.

**EPA RCRA WASTE CODE:** Not applicable. **EUROPEAN WASTE CODE:** Not applicable.

### DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:

**PROPER SHIPPING NAME:** Not hazardous, per US DOT regulations.

**HAZARD CLASSIFICATION:** Not applicable.

**UN/NA IDENTIFICATION NUMBER:** Not applicable.

**PACKING GROUP:** Not applicable.

**LABEL:** Not applicable.

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK (2008):** Not applicable.

**MARINE POLLUTANT STATUS:** No component is designated as a DOT Marine Pollutant.

**CANADIAN TRANSPORTATION INFORMATION:** This product is NOT regulated by Transport Canada as dangerous goods under Canadian transportation standards.

**IATA DESIGNATION:** This product is NOT regulated as dangerous goods by the International Air Transport Association.



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## OTHER IMPORTANT U.S. REGULATIONS

**CERCLA REPORTING REQUIREMENTS:** Not applicable.

## **SARA REPORTING REQUIREMENTS:**

The following reporting requirements are applicable to the components of this product:

CHEMICAL	SECTION 302 (40 CFR 355 Appendix A)	SECTION 304 (40 CFR Table 302.4)	SECTION 313 (40 CFR 372.65)
Melamine	NO	NO	NO
Mercuric Acetate	500 lb lower threshold TPQ; 10,000 lb upper threshold TPQ	NO	YES
Water	NO	NO	NO

**SARA SECTION 311/312 FOR PRODUCT:** Acute Health Hazard.

**CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:** Mercuric acetate is listed (as mercury compound) This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

## INTERNATIONAL REGULATIONS

**CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.

## **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:**

The components of this product are not on the CEPA Priorities Substances Lists.

**CANADIAN WHMIS CLASSIFICATION:** Skin or Eye Irritation [Class D; Division 2, Subdivision B].

See symbol to right.

**NFPA** Health hazard 1 Flammability 0 Instability 0 Physical and Chemical Hazards N/A

**HMIS** Health hazard 1 Flammability 0 Physical hazards 0 Personal precautions X

## **DATE OF PREPARATION**

**6-27-15**

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