



# MSDS

## MATERIAL SAFETY DATA SHEET

Pentair Water Pool and Spa, 1620 Hawkins Avenue, Sanford, NC 27330  
Telephone # For Information: 800-831-7133

24 HOUR EMERGENCY NUMBER (CHEMTEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 01-813-248-0585 (Call Collect If Necessary)

### 1. Product Identification

**Product Code:** R161056

**Product Description:** Solution OTO 1  
Chlorine/Bromine Test

**Manufactured By:** LaMotte Company  
802 Washington Avenue  
Chestertown, MD 21620

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	612-82-8 Ortho-tolidine dihydrochloride hydrate	<0.2	None Established (3,3'-Dimethylbenzidine dihydrochloride)	None Established
Yes	7647-01-0 Hydrochloric Acid	5.14	Ceiling 5 ppm (7mg/m <sup>3</sup> )	Ceiling 2 ppm
No	7732-18-5 Water	to 100	None Established	None Established

This OTO solution has been manufactured by Poolmaster, Inc. This MSDS has been created using information supplied by Poolmaster Inc. Sacramento, CA. They can be contacted toll-free at 1-800-854-1776 (local 916-567-9800), or via fax at 918-567-9880.

### 3. Hazards Overview

**Primary Route Of Entry:** Eye Skin

May cause burns. Harmful if swallowed, inhaled, or absorbed through skin.

#### HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 3      Flammability: 0      Reactivity: 0

**Carcinogenicity:** Yes: IARC

#### **Other Health Related Comments:**

Ortho-tolidine dihydrochloride hydrate is listed as a Group 2B carcinogen with IARC. (Group 2B=Possibly carcinogenic to humans).  
WARNING: This product contains, Ortho-tolidine dihydrochloride, a chemical known to the State of California to cause cancer.

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#### 4. First Aid Measures

**Eye Contact:** Immediately flush with water for 15 minutes while lifting upper and lower eyelids. Contact physician if irritation persists.

**Skin Contact:** Immediately flush with water for 15 minutes while removing affected clothing. Contact physician. Wash clothing prior to reuse.

**Ingestion:** Do not induce vomiting. Give large quantity of water. Contact physician immediately.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing administer artificial respiration and seek immediate medical attention.

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#### 5. Fire Fighting Measures

**Flash Point (Method Used):** NA

**LEL:** NA

**UEL:** NA

**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam

**Special Fire Fighting Procedures:** Wear protective equipment.

**Unusual Fire & Explosion Hazard:** NA

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#### 6. Accidental Release Measures

Ventilate area and wear PPE noted in Section 8. Neutralize spill (soda ash/bicarbonate), containerize, and hold for disposal. Dispose according to federal, state, and local regulations.

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#### 7. Handling & Storage

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from incompatibles such as sunlight/heat. Protect from temperature extremes.

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

A system of local/general exhaust is recommended to keep employee exposures as low as possible.

### **Protection When Handling**

Eye Protection Gloves labcoat

**Work/Hygenic Practices:** Wash after handling. Avoid contact with eyes and skin. Do not ingest or inhale.

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## **9. Physical & Chemical Properties**

**Appearance:** Clear, colorless water-like solution

**Solubility In Water:** Soluble

**Odor:** odorless

**pH:** no information found

**Vapor Density:** no information found

**Vapor Pressure:** no information found

**Boiling Point:** 212°F

**Melting Point:** no information found

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, Direct Sunlight, Incompatibles

**Incompatibility (Materials To Avoid):** Strong oxidizers

**Hazardous Decomposition Products:** Hydrochloric acid/amine fumes on decomposition

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## **11. Toxicological Information**

**Target Organs:** Eyes Skin

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**12. Ecological Information**

No information found.

**13. Disposal Considerations**

Dispose according to federal, state, and local regulations.

**14. Transportation Information**

Not Regulated For Transport

**15. Regulatory Information**

**Chemical Inventory Status**

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	612-82-8 O-Tolidine dihydrochloride	Yes	Yes	Yes	No	No	No
Yes	7647-01-0 Hydrochloric Acid	Yes	Yes	Yes	No	Yes	Yes
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

**Federal, State, & International Regulations**

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
612-82-8 O-Tolidine dihydrochloride	No	No	Yes	No	No	No	No
7647-01-0 Hydrochloric Acid	5000	500	Yes	No	5000	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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--- SARA 311/312 ---

----- Australia -----

**Hazard Categories**

**Hazchem  
Code**

**Poison  
Schedule**

**This MSDS Is  
WHMIS Compliant**

<b>Ingredient</b>	<b>Acute</b>	<b>Chronic</b>	<b>Fire</b>	<b>Pressure</b>	<b>Reactivity</b>			
612-82-8 O-Tolidine dihydrochloride	Yes	No	Yes	No	No	None Allocated	None Allocated	
7647-01-0 Hydrochloric Acid	Yes	Yes	No	No	No	2R	None Allocated	
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated	
<b>product R161056 as a whole</b>	Yes	No	No	No	No	None Allocated	None Allocated	Yes

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**16. Other Information**

Keep out of reach of children.

WARNING: This product contains a chemical known to the State of California to cause cancer.

**Prepared By:**

**Revised:** 2/18/2013

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