

**Pentair Pool Products**  
**P. O. Box 4127**  
**El Monte, CA 91734**

**MATERIAL SAFETY DATA SHEET**

Rainbow Lifeguard

Trade Name: OTO Solution or Solution #1 Chlorine Indicator

\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*

Trade Name (as labeled): OTO Solution, or Solution #1 (was Solution A)

Chemical Name, Common Names: ortho-Tolidine dihydrochloride in 3.75% Hydrochloric Acid

Manufacturer's Name: Pentair Pool Products

Address: 12202 East Garvey Avenue, El Monte, CA 91731

Emergency Spill/MSDS Phone: 800-451-8346      Date Prepared: 06/24/01

Business Phone: 626-443-6114      Name of Preparer: John M. Lobato, Jr., B.S.

\*\*\*\*\* II. HAZARDOUS INGREDIENTS \*\*\*\*\*

<u>Chemical Name</u>	<u>CAS Numbers</u>	<u>Percent*</u>	<u>Exposure limits in Air</u>	
			<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>
Hydrochloric Acid	#7647-01-0	3.75	5 ppm	5 ppm
o-Tolidine Dihydrochloride	#612-82-81	<0.1	2 ppm	N/A

\*\*\*\*\* III. PHYSICAL PROPERTIES \*\*\*\*\*

Vapor Density (air = 1): N/A      Melting Point or range, °F N/A  
Specific Gravity: 1      Boiling Point or range, °F 212  
Solubility in Water: Complete  
Vapor Pressure, mm Hg at 20°C 18  
Evaporation rate (butyl acetate = 1): N/A  
Appearance and odor: Clear colorless liquid, no odor

\*\*\*\*\* IV. FIRE AND EXPLOSION \*\*\*\*\*

Flash Point, °F (give method): N/A

Autoignition temperature, °F: N/A  
Flammable limits in air, volume %: Lower N/A Upper N/A  
Fire extinguishing materials: N/A  
\_\_ Water Spray \_\_ Carbon Dioxide \_\_ Other:  
  
\_\_ Foam \_\_ Dry Chemical

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

\*\*\*\*\* V. HEALTH HAZARD INFORMATION \*\*\*\*\*

Inhaled: N/A  
Contact with Skin or Eyes: Will cause irritation  
Absorbed through skin: The o-Tolidine in this product can be readily absorbed through the skin.  
Swallowed: Irritation of mouth, throat and intestinal track

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HEALTH EFFECTS OR RISKS FROM EXPOSURE. Explain in lay terms. Attach extra page if more space is needed.

Acute: Corrosive damage to eyes and skin upon contact

Chronic: Repeated skin contact may result in dermatitis. The o-Tolidine in this product is a suspected carcinogen and can be readily absorbed through the skin:

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FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush with water for at least 15 minutes.  
Skin Contact: Wash with soap and water  
Inhaled: N/A  
Swallowed: Call Physician

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SUSPECTED CANCER AGENT?

\_\_ No: This product's ingredients are not found in the lists below.

X Yes: \_\_ Federal OSHA X NTP X IARC \_\_ CAL/OSHA (see note).\*

Note: California employers using CAL/OSHA-regulated carcinogens must register with CAL/OSHA.

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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None Known  
RECOMMENDATIONS TO PHYSICIAN\*: N/A

\*\*\*\*\* VI. REACTIVITY DATA \*\*\*\*\*

Stability:  Stable  Unstable  
Conditions to Avoid: Heating will result in liberation of toxic hydrogen chloride fumes.

Incompatibility (materials to avoid) N/A

Hazardous Decomposition Products (including combustion products): N/A

Hazardous Polymerization:  May occur  Will not occur

Conditions to Avoid: N/A

\*\*\*\*\* VII. SPILL, LEAK AND DISPOSAL PROCEDURES \*\*\*\*\*

Spill response procedures (include employee protection measures): Flush with water & avoid skin contact.

Preparing wastes for disposal (container types, neutralization, etc.): N/A

Note: Dispose of all wastes in accordance with federal, state and local regulations.

\*\*\*\*\* VIII. SPECIAL HANDLING INFORMATION \*\*\*\*\*

Ventilation and engineering controls: General dilution ventilation is generally adequate.

Respiratory protection: Usually not required under normal use of this product

Eye protection (type): Safety goggles

Gloves (specify material): Rubber gloves

Other clothing and equipment: Apron or lab coat

Work Practices, hygienic practices: Do not allow contact with eyes or skin

Other Handling and Storage Requirements: Keep away from heat. Store in sealed container.

Protective measures during maintenance of contaminated equipment: N/A

\*\*\*\*\* IX. LABELING \*\*\*\*\*

Labeling (precautionary statements)\*: N/A

**D.O.T. Label\*: N/A**

**OTO; Solution #1 HMIS RATINGS:**

**Health=4    Flammability=0    Reactivity=0    Personal Protection=C**

**HMIS CODES:**

**1=Slight Hazard**

**2=Moderate Hazard**

**3=Serious Hazard**

**4=Severe Hazard**

**HMIS PERSONAL PROTECTION CODES:**

**C = Safety Glasses, Gloves Apron or Lab Coat**

**Disclaimer of Express and Implied Warranties:**

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