

ALL CLEAR[®]

MATERIAL SAFETY DATA SHEET

1. Product And Company Identification	
Supplier	
Aqua Tri[®] 17872 Mitchell No. Suite 250 Irvine, Ca. 92614-6034 Telephone Number: (949)474-7707 Fax Number: (949)474-7024 For an MSDS visit WWW.AQUATRI.COM	
Supplier Emergency Contacts & Phone Number	
CHEMTREC - DAY OR NIGHT: (800)424-9300	

Issue Date: 12/05/2006
Product Name: All Clear[®] Test Solution # 1 Chlorine Test OTO (Orthotolidine)
Chemical Name: Ortho-tolidine Dihydrochloride Solution
CAS Number: Not Established
Chemical Family: Acid Mixture
Chemical Formula: Proprietary
MSDS Number: 150
Product Code: Proprietary
 Products
 B7041

2. Composition Information On Ingredients			
Ingredient Name	CAS Number	<	Percent Of Total Weight
HYDROCHLORIC ACID	7647-01-0	<	0.1
Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).			

Hazards Identification (Pictograms)



3. Hazards Identification
<u>Primary Routes(s) Of Entry</u> Eye Contact, Skin Contact. <u>Eye Hazards</u> Causes severe eye burns. <u>Skin Hazards</u> Causes severe skin burns. <u>Ingestion Hazards</u> Corrosive to living tissue.

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3. Hazards Identification - Continued

Inhalation Hazards

May cause severe allergic respiratory reaction.

Signs And Symptoms

Irritation of Eyes, Skin and Respiratory Passages.

First Aid (Pictograms)



4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician or a poison control center immediately.

Skin

Rinse the affected area with tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

DO NOT INDUCE VOMITING. Drink large amounts of water. Contact a physician or poison control.

Inhalation If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Call a physician or a poison control center immediately.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A F

Extinguishing Media Use the appropriate extinguishing media for the surrounding fire.

Fire Fighting Instructions Water can be used to cool and protect exposed material. Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Neutralize spill area with soda ash or lime. Flood with water. Use appropriate containers to avoid environmental contamination. Use appropriate personal protective equipment (PPE).

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Do not store with alkalis.

Handling Precautions

Avoid contact with eyes. Avoid contact with skin and clothing. Wash thoroughly after handling.

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7. Handling And Storage - Continued

Storage Precautions

Avoid contact with Alkalis, Amines, and Metals. Keep out of reach of children.

Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Local exhaust acceptable. Special exhaust not required.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection Chemical-resistant gloves.

Respiratory Protection

None normally required.

Ingredient(s) - Exposure Limits HYDROCHLORIC ACID

ACGIH TLV-CEILING 5 ppm

OSHA PEL-CEILING 5 ppm

9. Physical And Chemical Properties

Appearance

Clear liquid

Odor

Mild

Chemical Type: Mixture

Physical State: Liquid

Melting Point: n/a °F

Boiling Point: 212 °F

Specific Gravity: 1.1-1.2

Percent Volitales: NOT DETERMINED

Packing Density: NOT DETERMINED

Vapor Pressure: NOT DETERMINED

Vapor Density: >1

pH Factor: 0-2

Solubility: Soluble in Water

Viscosity: NOT DETERMINED

Evaporation Rate: <1

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

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10. Stability And Reactivity - Continued

Conditions To Avoid (Stability)

Avoid contact with strong Amines, Alkalis, and Metals. Heat can cause hydrogen chloride.

Incompatible Materials

Alkalis, Amines and Metals

Hazardous Decomposition Products

Hydrogen Chloride

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Refer to applicable federal, state, and local regulations prior to disposition of container and residual contents.

14. Transport Information

Proper Shipping Name

Hydrochloric acid solution

Hazard Class

8, PGIII (<1L Consumer Commodity ORM-D)

DOT Identification Number

UN1789

DOT (Pictograms)



15. Regulatory Information

Ingredient(s) - U.S. Regulatory Information

HYDROCHLORIC ACID

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

SARA - Acute Health Hazard

State Regulations

California Proposition 65: This product had been reviewed for Prop 65 components and the following applies:

Warning: This product may contain substance(s) which are known to the State of California to cause birth defects or other reproductive harm. **o-Tolidine dihydrochloride**

Ingredient(s) - State Regulations

HYDROCHLORIC ACID

New Jersey - Workplace Hazard New

Jersey - Environmental Hazard New

Jersey - Special Hazard

New Jersey - TCPA Extraordinarily Hazardous Substance

Pennsylvania - Workplace Hazard

Pennsylvania - Environmental Hazard

Massachusetts - Hazardous Substance

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15. Regulatory Information - Continued

Canadian Regulatory Information

Class D, Div 1a - Poisonous or Infectious Material: immediate and serious toxic effects
Class D, Div 2a - Poisonous or Infectious Material: other toxic effects
Class D, Div 2b - Poisonous or Infectious Material: other toxic effects
Class E - Corrosive Material

WHMIS - Canada (Pictograms)



NFPA	HMIS								
	<table><tr><td>HEALTH</td><td>3</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>C</td></tr></table>	HEALTH	3	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	C
HEALTH	3								
FLAMMABILITY	0								
REACTIVITY	1								
PERSONAL PROTECTION	C								

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW3

This MSDS Superceeds A Previous MSDS Dated: 03/02/2001

Disclaimer

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