

# ORTHOTOLIDINE

Product: R-0600

**Section 1: PRODUCT INFORMATION**

**Chemical family:** Mixture.

**Supplier:** Lowry & Associates, div. of Chem-Aquascience, Inc  
 Canadian Master Distributors for Taylor Technologies, Inc.  
 4-1151 Gorham Street  
 Newmarket, ON.  
 L3Y 8Y1  
 Tel: 905-836-0505  
 Fax: 905-895-4539.

**Emergency Phone Number:** Canutec 613-996-6666.  
 905-625-9117 (Monday – Friday 9 a.m. – 4 p.m.).

**Manufacturer:** Taylor Technologies Inc.  
 31 Loveton Circle  
 Sparks, MD USA 21152  
 Tel: 410-472-4340.

**TDG classification:** HYDROCHLORIC ACID  
 UN1789  
 Class 8  
 PG II.



**WHMIS classification:**  
 E, D1B, D2A.



**DSL status:** Not available.

**Section 2: HAZARDOUS INGREDIENTS**

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
612-82-8	<1	ORTHOTOLIDINE DIHYDROCHLORIDE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
7647-01-0	<10	HYDROCHLORIC ACID	CL 2 PPM	900 MG/KG RABBIT ORAL	3124 PPM/1H RAT INHALATION 1108 PPM/1H MOUSE INHALATION 45000 MG/M3/5M RAT INHALATION 7004 MG/M3/30M RAT INHALATION 20487 MG/M3/5M MOUSE INHALATION 3940 MG/M3/30M MOUSE INHALATION

### Section 3: PHYSICAL DATA

**Physical state:** Liquid.  
**Appearance & odor:** Odourless.  
Yellow.  
**Odor threshold (ppm):** None  
**Vapour pressure (mmHg):** 2.3  
**Vapour density (air=1):** 0.6  
**Volatiles (%)**  
**By volume:** 99  
**Evaporation rate  
(butyl acetate = 1):** Not available.  
**Boiling point (°C):** 100  
**Freezing point (°C):** 0  
**pH:** 0.01  
**Specific gravity @ 20 °C:** 1.03  
**Solubility in water (%):** Soluble.  
**Coefficient of water\oil dist.:** Not available.

### Section 4: FIRE & EXPLOSION DATA

**Flammability:** Not flammable.  
**Conditions of flammability:** Surrounding fire.  
**Extinguishing media:** Carbon dioxide, dry chemical, foam.  
Water spray.  
**Special procedures:** Self-contained breathing apparatus required.  
Firefighters should wear the usual protective gear.  
**Auto-ignition temperature (°C):** Not applicable.  
**Flash point (°C), method:** Not applicable.  
**Lower flammability  
limit (% vol):** Not applicable.  
**Upper flammability  
limit (% vol):** Not applicable.  
**Explosion Data**  
**Sensitivity to static discharge:** Not applicable.  
**Sensitivity to mechanical impact:** Not applicable.  
**Hazardous combustion products:** Chlorine (Cl<sub>2</sub>).  
Hydrogen chloride (HCl).  
**Explosive power:** Not applicable.

## Section 5: REACTIVITY DATA

**Chemical stability:** Stable under normal conditions.

**Conditions of instability:** Contact with incompatible substances.  
Extreme temperatures.  
Extreme heat.

**Hazardous polymerization:** Not available.

**Incompatible substances:** Metals.  
Strong oxidizers.  
Alkalies.

**Hazardous decomposition products:** See hazardous combustion products.

## Section 6: TOXICOLOGICAL PROPERTIES

**Route of entry:** Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

**Eye contact:** Irritant.  
May cause burns.

**Skin contact:** Irritant.  
May cause burns.

**Inhalation:** May be harmful if inhaled.

**Ingestion:** May be harmful if swallowed.

**Effects of chronic exposure:** Pre-existing eye, skin and respiratory disorders may be aggravated.

**LD50 of product, species & route:** Not available for mixture, see the ingredients section.

**LC50 of product, species & route:** Not available for mixture, see the ingredients section.

**Exposure limit of material:** Not available for mixture, see the ingredients section.

**Sensitization to product:** Not available.

**Carcinogenic effects:** Suspected.

**Reproductive effects:** Not available.

**Teratogenicity:** Not available.

**Mutagenicity:** Not available.

**Synergistic materials:** Not available.

## Section 7: PREVENTATIVE MEASURES

### Precautionary Measures

**Gloves/Type:**



Wear protective gloves.

**Respiratory/Type:** None required under normal use.



NIOSH approved respirator, if necessary.

**Eye/Type:**



Safety glasses.

**Footwear/Type:** Safety shoes per local regulations.

**Clothing/Type:**



Wear a rubber apron.



Lab coat.

**Other/Type:** Eye wash facility should be in close proximity.  
Emergency shower should be in close proximity.

**Ventilation requirements:** Provide sufficient mechanical ventilation to maintain exposure below TLV.

**Leak/Spill:** Absorb with inert material.  
Wear appropriate protective equipment.  
Neutralize with soda ash.  
Place in a closed container for disposal.

**Waste disposal:** In accordance with municipal, provincial and federal regulations.

**Handling procedures and equipment:** Avoid breathing vapors/mists.  
Use adequate ventilation.  
Wear personal protective equipment appropriate to task.  
Wash thoroughly after handling.  
Avoid contact with skin, eyes and clothing.  
Launder contaminated clothing prior to reuse.  
Do not ingest.

**Storage requirements:** Keep out of direct sunlight.  
Store in a cool and dry place.

**Special shipping information:** See transportation information.

## Section 8: FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing.  
Wash with water for at least 15 minutes.  
Get medical attention.

**Eye contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.

**Inhalation:** Remove victim to fresh air.  
If irritation occurs, consult a physician.

**Ingestion:** Do not induce vomiting, seek medical attention.  
Never give anything by mouth to an unconscious person.  
If victim is conscious, give large amounts of water followed by milk of magnesia.

**Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

<b>Section 9: ADDITIONAL INFORMATION</b>
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**General note:** This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

**Data prepared by:** Lowry & Associates, div. of Chem–Aquascience, Inc  
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**Supplier MSDS date:** 2009/08/19

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