

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name OTO (Orthotolidine)

Manufacturer Pro Products, LLC
502 Incentive Drive
Fort Wayne, IN 46825

Phone 1-800-285-9176

Emergency phone 1-800-424-9300 (CHEMTREC)

HMIS Health 3
Flammability 0
Reactivity 0

Revision date June 6, 2007

DOT SHIPPING INFORMATION:

Hydrochloric acid, solution, 8, UN1789,
PG II, ERG #157

**Note: May be reclassified as a Consumer Commodity (ORM-D) if applicable DOT regulations are met.*

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient (TWA)</u>	<u>CAS #</u>	<u>% wt.</u>	<u>OSHA PEL (TWA)</u> (ppm)	<u>ACGIH TLV</u> (ppm)
Hydrochloric Acid	7647-01-0	<10	5 (Ceiling STEL)	2 (Ceiling STEL)
*Orthotolidine dihydrochloride	612-82-8	<0.5	N/A	N/A
Water	7732-18-5	Balance	N/A	N/A

**Listed on California's Prop 65 List*

3. HAZARDS IDENTIFICATION

Emergency overview DANGER! CORROSIVE. May cause burns or severe irritation to the eyes, skin, respiratory tract and gastrointestinal tract. Harmful if swallowed or inhaled.

Primary routes of exposure Eyes, skin and lungs

Effects of acute exposure

Eyes Irritant. May cause severe burns to the eyes. May cause irreversible eye injury. Symptoms may include tearing, redness, pain, and impaired vision.

Skin Irritant. May cause severe burns to the skin. Symptoms may include soreness, redness and destruction of skin.

Ingestion Corrosive. May be harmful if swallowed. May cause severe gastrointestinal Irritation. Symptoms may include cyanosis, headache, dizziness, and burns of the mouth, esophagus and stomach.

Inhalation Irritant. May be harmful if inhaled.

Effects of chronic exposure Prolonged or repeated exposures may cause dermatitis.

Pre-existing conditions Persons with pre-existing skin disorders, eye problems or impaired respiratory function may be more susceptible to the effects of this substance.

Carcinogenicity Orthotolidine has been identified by the IARC as a class 2B carcinogen (possibly carcinogenic to humans) and identified by NTP as reasonably anticipated to be a human carcinogen.

4. FIRST AID MEASURES

Eyes Flush eyes with water for at least 15-20 minutes. Seek medical attention.

Ingestion	Drink plenty of water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Seek medical attention for advice or assistance.
Inhalation	Remove to fresh air. Give artificial respiration if necessary. Seek medical attention.
Skin	Wash exposed skin with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation occurs.

5. FIRE FIGHTING MEASURES

Flash point	N/A
Flammability	Product is not considered a fire hazard.
Extinguishing media	Dry chemical, carbon dioxide, water spray or foam.
Special procedures	Avoid breathing fumes; keep upwind.
Unusual hazards	May react with metals to release flammable hydrogen gas.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of spill or leak and use appropriate personal protective equipment including respiratory protection if necessary. Contain and recover liquid when possible or absorb with an inert material (i.e. vermiculite, dry sand, earth) and place in an appropriate waste container. Dispose of spilled materials in accordance with local, State and Federal regulations.

7. HANDLING & STORAGE

Use with adequate ventilation. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Wash thoroughly after using product. Store in a cool, dry and well-ventilated location. Store in a tightly closed container. Store away from incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection	Use appropriate NIOSH approved respirator if exposures exceed PELs.
Ventilation	Local ventilation if adequate or chemical fume hood.
Protective gloves	Use chemical impervious gloves.
Eye protection	Safety glasses or goggles with face shield if splash potential exists.
Other protective clothing	Wear impervious protective clothing, as appropriate, to prevent skin contact.
Hygienic practices	Maintain good housekeeping practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Clear, slightly yellow liquid	Vapor pressure (mm Hg)	17
Odor	Odorless	Melting point	N/A
pH (aqueous susp.)	Acidic	Vapor density (Air=1)	0.6
Boiling point	212 °F	Solubility in water	Soluble
Specific gravity	1.03	Evaporation rate (Butyl Acetate=1)	N/A

10. Chemical Stability and Reactivity Information

Chemical stability	Stable under ordinary conditions of use and storage.
Conditions to avoid	Extreme heat, contact with metals, alkalis, and strong oxidizers.
Hazardous decomposition products	Oxides of carbon, hydrogen gas, chlorine gas, hydrogen chloride.
Hazardous polymerization	Will not occur.

Prepared by: SES, 3807 Transportation Drive, Fort Wayne, IN 46818, 1-800-654-4915

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