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## MATERIAL SAFETY DATA SHEET (MSDS)

### ORTHO-TOLIDINE HYDROCHLORIDE (FOR SYNTHESIS)

#### 1. PRODUCT IDENTIFICATION

**Synonyms:** O- TOLIDINE DIHYDROCHLORIDE

**CAS No.:** 612-82-8

Product Code: T0207800100

**Molecular Weight:** 285.20

**Chemical Formula:** C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>.2HCl

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No	Percent
O TOLIDINE HYDROCHLORIDE	612-82-8	80-100%

#### 3. HAZARD IDENTIFICATION

Route Of Entry Inds - Inhalation: YES Skin: YES Ingestion: YES

Carcinogenicity Inds - NTP: NO IARC: NO OSHA: NO

Health Hazards Acute And Chronic: MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY BE HARMFUL IF INHALED OR SWALLOWED.

NO CHRONIC EFFECTS HAVE BEEN IDENTIFIED.

Explanation of Carcinogenicity: JT BAKER & SAX SAY IARC, NTP, ACGIH LIST THIS AS SUSPECTED OR ANTICIPATED CARCINOGEN; COULDN'T VERIFY WITH SAID LISTS.

Signs and Symptoms of Overexposure: HEADACHE, COUGHING, DIZZINESS, DIFFICULT BREATHING, NAUSEA.

Medical Conditions Aggravated by Overexposure: NONE IDENTIFIED

#### 4. FIRST AID

INGESTION: CALL DOCTOR IMMEDIATELY. IF CONSCIOUS; IMMEDIATELY INDUCE VOMITING. INHALED: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. SKIN: IMMEDIATELY FLUSH WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. EYES: IMMEDIATELY FLUSH WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR.

#### 5. FIRE FIGHTING MEASURES

Flash Point Text: NOT APPLICABLE

Auto Ignition Temperature Text:

Lower Limits: N/R Upper Limits: N/R

Extinguishing Media: MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN POSITIVE PRESSURE MODE AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: NONE IDENTIFIED.

#### 6. RELEASE MEASURES

Spill Release Procedures: NOT APPLICABLE FOR TABLETS. FOR SOLUTION: ABSORB IN INERT MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent: UNKNOWN

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MATERIAL IS LISTED IN TSCA INVENTORY.

#### 7. HANDLING AND STORAGE

KEEP CONTAINER TIGHTLY CLOSED. STORE IN A SECURE POISON AREA.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NONE NORMALLY REQUIRED. IF DUST CONCENTRATION HIGH; USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST. IF RESPIRATORY PROTECTION IS WORN; A PROGRAM IN ACCORDANCE WITH 29 CFR 1910.134 MUST BE IMPLEMENTED.

Ventilation: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVEL AS LOW AS POSSIBLE.

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Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Equipment: UNIFORM, APRON ARE RECOMMENDED TO PREVENT PROLONGED OR REPEATED CONTACT. Work Hygienic Practices: UNIFORM, APRON ARE RECOMMENDED TO PREVENT PROLONGED OR REPEATED CONTACT. Supplemental Safety & Health: MSDS GENERATED BY HMIS TECHNICIAN AS PART OF TECHNICAL SUPPORT. MANUFACTURER NEEDED THEIR PART NUMBER TO RETRIEVE MSDS/UNAVAILABLE. HMIS TECHNICIAN THEN GENERATED MSDS IN HOUSE FROM AVAILABLE SOURCES.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

HCC: T3  
Boiling Point: N/A  
Melting/Freezing Point: N/A  
Decomposition Temp: UNKNOWN  
Vapor Pressure: N/A Vapor Density: N/A  
Specific Gravity: N/A  
PH: N/A  
Viscosity: N/P  
Evaporation Rate & Reference: NOT APPLICABLE  
Solubility in Water: SLIGHT  
Appearance and Odor: WHITE TO OFF WHITE

Percent Volatiles by Volume: 0  
Corrosion Rate: UNKNOWN

**10. STABILITY AND REACTIVITY**

Stability Indicator: YES  
Stability Conditions to Avoid: NONE DOCUMENTED  
Materials to Avoid: STRONG OXIDIZING AGENTS  
Hazardous Decomposition Products: HYDROGEN CHLORIDE, OXIDES OF NITROGEN AND CARBON.  
Hazardous Polymerization Products: NO  
Conditions to Avoid Polymerization: NONE SPECIFIED BY MANUFACTURER.

**11. TOXICOLOGICAL INFORMATION**

N/A

**12. ECOLOGICAL INFORMATION**

N/A

**13. DISPOSAL**

DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N).

**14. TRANSPORTATION**

NON HAZARDOUS FOR AIR, ROAD AND SEA TRANSPORT

**15. REGULATORY**

SARA Title III: N/P  
Federal Regulatory: N/P

**16. OTHER**

**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
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