

# Material Safety Data Sheet

## o-Tolidine MSDS

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### Product Identification

Synonyms: o-Tolidine;3,3'-Dimethylbenzidine

CAS No. : 119-93-7

Molecular Weight: 212.29

Chemical Formula:  $C_{14}H_{16}N_2$

### Composition/Information on Ingredients

Ingredient	CAS No	Percent
Hazardous		
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o-Tolidine	119-93-7	<0.1%

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### HAZARD IDENTIFICATION

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

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

Health Hazards Acute And Chronic: ACUTE: INHAL: GAS/FUMES AT LEVELS OF 5-35 PPM MAY CAUSE IRRIT & BURNING OF THROAT, COUGH & CHOKING; 50-100 PPM MAY BE BARELY TOLERABLE FOR 1 HR. HIGH LEVELS MAY CAUSE INFLAMM & OCCAS ULCERATION OF NOSE, THROAT/LARYNX, BRONCH, PNEUM, PALPITA TIONS & HDCH. HIGHER CONCS MAY CAUSE NECROSIS OF

TRACHEAL & (EFTS OF OVEREXP)

Explanation of Carcinogenicity: NOT RELEVANT.

Signs and Symptoms of Overexposure: HLTH HAZ: BRONCH EPITHELIUM. DMG TO PULM BLOOD VESSELS & LESIONS OF LIVER & OTHER ORGANS. DEATH MAY BE DUE TO LARYNGEAL SPASM, BRONCHOPNEUM/PULM EDEMA. REPRO EFTS HAVE BEEN REPORTED IN ANIMALS. SKIN: MAY CAUSE SEV IRRIT, INFLAMM, ULCERATION , NECROSIS & CHEM BURNS. SHOCK SYMPMS MAY DEVELOP INCL RAPID PULSE, (SUP DAT)

Medical Conditions Aggravated by Overexposure: NONE SPECIFIED BY MANUFACTURER.

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INHAL: REMOVE TO FRESH AIR IMMED. IF BRTHG STOPPED, GIVE ARTF RESP. MAINTAIN AIRWAY & BLOOD PRESS & ADMIN OXYGEN IF AVAIL. KEEP WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MED ATTN IMMED. SKIN: REMOVE CONTAM CLTHG & SHOES IMME D. WASH AFFECTED AREA W/SOAP & WATER UNTIL NO EVIDENCE OF CHEM REMAINS (15-20 MIN). IN CASE OF CHEM BURNS, COVER AREA W/STERILE, DRY DRESSING. BANDAGE (ING 12)

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FIRE FIGHTING MEASURES

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Flash Point Text: N/K

Auto Ignition Temperature Text:

Lower Limits: N/K Upper Limits: N/K

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures: WEAR NIOSH APPRVD SCBA & FULL PROT EQUIP (FP N). MOVE CONTR FROM AREA IF W/OUT RISK. APPLY COOLING WATER TO

SIDES OF CONTRS EXPOSED TO FLAMES UNTIL (SUP DAT)

Unusal Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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RELEASE MEASURES

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Spill Release Procedures: COVER WITH SODA ASH. SCOOP UP AND PLACE IN A SUITABLE CONTAINER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS (FP N).

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HANDLING AND STORAGE

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NONE SPECIFIED BY MANUFACTURER.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

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Respiratory Protection: RESPIRATOR MUST BE NIOSH APPROVED. 50 PPM: ANY SUPPLIED-AIR RESPIRATOR; ANY SCBA. 100 PPM: ANY SUPPLIED-AIR RESPIRATOR OPERATED IN A CONTINUOUS FLOW MODE. CONTACT NEHC FOR A MORE COMPLETE LIST OF APPROVED RESPIRATORS (FP N).

Ventilation: PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPRVD CHEM GOGGLES & FSHLD (FP N).

Other Equipment: ANSI APPRVD EMER EYEWASH & DELUGE SHOWER (FP N). WEAR APPROP PROT (IMPERVIOUS) CLTHG & EQUIP TO PREVENT SKIN CONTACT.

Work Hygenic Practices: ANSI APPRVD EMER EYEWASH & DELUGE SHOWER (FP N). WEAR APPROP PROT (IMPERVIOUS) CLTHG & EQUIP TO PREVENT SKIN CONTACT.

Supplemental Safety & Health: FIRE FIGHT PROC: WELL AFTER FIRE IS OUT.

STAY AWAY FROM ENDS OF TANKS. DO NOT USE WATER DIRECTLY ON MATL.  
IF LGE AMTS INVOLVED, USE WATER SPRAY/FOG IN FLOODING AMTS. USE  
WATER SPRAY TO ABSORB CORR VAPS. KEEP UPWIND. EFTS OF OVEREXP:  
SWEATIN G & COLLAPSE. PHOTSENSIT RXNS MAY OCCUR. CONT  
W/COMPRESSED GAS MAY CAUSE(ING 4)

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PHYSICAL AND CHEMICAL PROPERTIES

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Boiling Point:

N/K

Melting/Freezing Point:

14F,-10C

Decomposition Temp:

N/K

Vapor Pressure: 14 @ 20C Vapor Density: N/K

Specific Gravity: 1.03

PH: N/K

Viscosity: N/P

Evaporation Rate & Reference: N/K

Solubility in Water: N/K

Appearance and Odor: CLEAR, COLORLESS TO PALE STRAW LIQUID

Percent Volatiles by Volume: N/K

Corrosion Rate: N/K

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STABILITY AND REACTIVITY

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Stability Indicator: YES

Stability Conditions to Avoid: NONE REPORTED.

Materials to Avoid: ALUMINUM, BASES, METALS, STRONG OXIDIZERS, PLASTICS,  
RUBBER, COATINGS. CONT NEHC FOR COMPLETE LIST (FP N).

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY RELEASE  
CORROSIVE HYDROGEN CHLORIDE.

Hazardous Polymerization Products: NO

Conditions to Avoid Polymerization: NOT RELEVANT.

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TOXICOLOGICAL

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N/P

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ECOLOGICAL

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N/P

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DISPOSAL

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DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS (FP N).

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TRANSPORTATION

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N/P

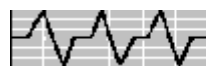
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REGULATORY

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SARA Title III: N/P  
Federal Regulatory: Y

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OTHER

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**Mfgs. & Exporters: Laboratory Reagents, Fine Chemicals, Analytical Reagents & Dehydrated Culture**



*Life Line Of Laboratories*

