

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-612/612-82-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

612-82-8

**Code:**

M

**RTECS:**

DD1226000

**Code:**

M

**Name:**

O-TOLIDINE DIHYDROCHLORIDE

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

N/K

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

IF SPILLED, NIOSH/MSHA-APPROVED ACID GAS RESPIRATOR.

**Ventilation:**

LOCAL EXHAUST AND MECHANICAL(GENERAL)

**Protective Gloves:**

ACID PROOF PLASTIC OR RUBBER

**Eye Protection:**

ACID PROOF GOGGLES

**Other Protective Equipment:**

Equipment ACID PROOF PLASTIC OR RUBBER APRON.

**Work Hygienic Practices:**

WASH THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**

NTP LISTS O-TOLIDINE HYDROCHLORIDE AS REASONABLY ANTICIPATED CARCINOGEN. IARC LISTS O-TOLIDINE AS PROBABLE CARCINOGENIC TO HUMANS.--THIS IS NEW FORMULATION. FOR OLD FORMULATION SEE THIS NSN, CAGE#79172 - P/N FOR PENNWALT CORP/WALLACE & TIERNAN DIV. IS U-421, U-7787 ORTHOTOLIDINE.

## Health Hazards Data

**LD50/LC50 Mixture:**

N/P

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

YES

**IARC:**

YES

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE; CORROSIVE, CAUSES BURNS; CHRONIC: DERMATITIS, ECZEMA

**Explanation Of Carcinogenicity:**

SEE SUPPLEMENT DATA.

**Signs And Symptoms Of Overexposure:**

IRRITANT EFFECT OF ACID MAY PRODUCE LARYNGITIS, BRONCHITIS, EYE INJURY

**Medical Cond Aggravated By Exposure:**

BRONCHITIS

**First Aid:**

3 EYES: FLUSH W/WATER FOR 15 MINTUES. GET MEDICAL ATTENTION; SKIN: WASH W/SOAP & WATER; INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED; INGESTION: DO NOT INDUCE VOMIT. GET MEDICAL ATTENTION.

**Spill Release Procedures:**

WEAR ACID GAS RESPIRATOR. NEUTRALIZE. ABSORB WITH INERT MATERIAL. PLACE IN APPROPRIATE DISPOSAL CONTAINER.

**Neutralizing Agent:**

20% SODIUM BICARBONATE

**Waste Disposal Methods:**

DISPOSE OF IAW ALL APPLICABLE FEDERAL, STATE & LOCAL REGS.

**Handling And Storage Precautions:**

STORE AWAY FROM HEAT, FLAME, LIGHT

**Other Precautions:**

N/R

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

N/R

**Flash Point Text:**

N/R

**Autoignition Temp:**

N/A

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

WATER SPRAY

**Fire Fighting Procedures:**

WEAR SCBA & FULL PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**

CONTACT WITH METALS MAY PRODUCE HYDROGEN WHICH FORMS EXPLOSIVE MIXTURES WITH AIR. 4

## Physical/Chemical Properties

**HCC:**

C1

**NRC/State LIC No:**

N/P

**Net Prop WT For Amno:**

N/P

**Boiling Point:**

N/R

**B.P. Text:**

356F/180C

**Melt/Freeze Pt:**

N/P

**M.P./F.P. Text:**

N/R

**Decomp Temp:**

N/A

**Decomp Text:**

N/A

**Vapor Pres:**

4

**Vapor Density:**

N/K 5

**Volatile Org Content %:**

WATER SPRAY

**Spec Gravity:**

1.07

**VOC Pounds/Gallon:**

1.07

**PH:**

N/P

**VOC Grams/Liter:**

N/P

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

COMPLETE

**Appearance and Odor:**

COLORLESS LIQUID, SHARP ODOR

**Percent Volatiles by Volume:**

N/P

**Corrosion Rate:**

N/P

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

N/R

**Materials To Avoid:**

METALS, METAL OXIDES, AMINES, CARBONATES, ALKALIES.

**Hazardous Decomposition Products:**

HYDROGEN CHLORIDE GAS

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/P

## Toxicological Information

**Information:**

N/P

## MSDS Transport Information

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Other Information:**

N/P

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