

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-106/106-49-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

106-49-0

Code:

M

RTECS:

XU3150000

Code:

M

Name:

P-TOLUIDINE (SARA III)

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

S, 2 PPM

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

S, 2 PPM, A2; 9293

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF WORKING IN CONFINED AREAS, IF EXCESSIVE MISTING OR VAPORS ARE EXPECTED, OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PEL, USE NIOSH-APPROVED RESPIRATORY PROTECTION (REFER TO 29CFR 1910.134)

Ventilation:

LOCAL EXHAUST AND MECHANICAL (GENERAL) FAN.

Protective Gloves:

PVC OR NEOPRENE RUBBER GLOVES

Eye Protection:

CHEMICAL SPLASH GOGGLES W/FACE SHIELD

Other Protective Equipment:

Equipment EYE WASH STATION SAFETY SHOWERS. USE RUBBER APRON IF SPLASHING IS EXPECTED. USE ACID-RESISTANT CLOTHING.

Work Hygienic Practices:

WASH HANDS AND FACE AFTER HANDLING MATERIAL. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED FOOTWEAR.

Supplemental Safety and Health:

CLEAN CONTAMINATED EQUIPMENT THOROUGHLY BEFORE STARTING REPAIR WORK.

Health Hazards Data

LD50/LC50 Mixture:

LD50 (ORAL RABBIT) 900 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYES: WILL CAUSE SEVERE BURNS. ACUTE EXPOSURE TO VAPORS MAY CAUSE SENSITIVITY TO LIGHT, BLURRED VISION & BLINDNESS. SKIN: WILL CAUSE CHEMICAL BURNS. INHALATION: WILL CAUSE PAIN, IRRITATION & BURNS TO THE NOSE, THROAT & UPPER RESPIRATORY TRACT. MAY CAUSE ACUTE PULMONARY EDEMA, ASPHYXIA & CHEMICAL PNEUMONITIS.

Explanation Of Carcinogenicity:

THIS PRODUCT IS NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.

Signs And Symptoms Of Overexposure:

WILL CAUSE PAIN, NAUSEA, VOMITING, DIARRHEA, CHEMICAL BURNS AND SEVERE IRRITATION. MAY ALSO CAUSE VERTIGO, SEIZURES, CNS DEPRESSION, HEADACHE, STUPOR, LOSS OF COORDINATION, DIZZINESS, ETC. AND COMA.

Medical Cond Aggravated By Exposure:

PRE-EXISTING RESPIRATORY CONDITIONS WILL BE AGGRAVATED.

First Aid:

EYES: FLOOD WITH WATER FOR 15 MIN. GET IMMEDIATE MEDICAL ATTENTION. SKIN: FLUSH WITH WATER FOR 15 MIN. WRAP BURNS IN STERILE DRESSING. GET IMMEDIATE MEDICAL ATTENTION. INHALATION: MOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: DO NOT INDUCE VOMITING. GIVE 4-8 OZ OF WATER, OR CHIP ICE. GET IMMEDIATE MEDICAL ATTENTION. 4

Spill Release Procedures:

EVACUATE AREA. DIKE AND CONTAIN SPILL. NEUTRALIZE SPILL WITH SODA ASH AND PLACE INTO PROPER CONTAINERS FOR DISPOSAL. DO NOT ALLOW SPILL TO ENTER DRAINS, SEWERS OR WATERWAYS. COMPLY WITH ALL SPILL NOTIFICATION REGULATIONS.

Neutralizing Agent:

ALKALINE MATERIALS SUCH AS SODA ASH

Waste Disposal Methods:

DISPOSE OF WASTE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.. THIS WASTE IS CLASSIFIED AS D002 (CORROSIVE) UNDER RCRA.

Handling And Storage Precautions:

STORE IN COOL, DRY, AREA AWAY FROM OXIDIZERS. AVOID MOISTURE PICK UP. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM OPEN IGNITION SOURCES.

Other Precautions:

DU TO THE POSSIBLE PRESENCE OF HYDROGEN GAS, ISOLATE ANY OPEN IGNITION SOURCES. THIS PRODUCT IS CORROSIVE - AVOID EYE/SKIN CONTACT AND BREATHING OF VAPORS. USE THIS PRODUCT ONLY AS DIRECTED - SEE MANUFACTURER'S DIRECTIONS.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NONE

Autoignition Temp:

Autoignition Temp Text:

NONE

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

WATER SPRAY OR FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE (CO2)

Fire Fighting Procedures:

COOL OUTSIDE OF CONTAINER WITH WATER SPRAY TO AVOID OVER-HEATING. WATER APPLIED DIRECTLY TO PRODUCT MAY CAUSE HEAT AND SPLATTERING.

Unusual Fire/Explosion Hazard:

5 MAY OXIDIZE COMBUSTIBLE MATERIALS. WILL REACT WITH SOME METALS TO RELEASE TOXIC OR CORROSIVE VAPORS OR FUMES.

Physical/Chemical Properties

HCC:

C1

NPC/State LC No:

N/P

Net Prop WT For Ammo:

NO

Boiling Point:

212F,100C

Melt/Freeze Pt:

UNKNOWN

M.P/F.P Text:

UNKNOWN

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

21

Vapor Density:

1.2

Volatile Org Content %:

NO

Spec Gravity:

1.19

VOC Grams/Liter:

NO

Viscosity:

UNKNOWN

Evaporation Rate & Reference:

UNKNOWN

Solubility in Water:

COMPLETE

Appearance and Odor:

CLEAR TO SLIGHT YELLOW COLORED LIQUID, SHARP PUNGENT ODOR.

Percent Volatiles by Volume:

100

Corrosion Rate:

FAST

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Reactivity Data

Stability Indicator:

YES

Stability To Light:

HEAT, MOISTURE, OXIDIZERS

Organic Materials:

ORGANIC MATERIALS, COMBUSTIBLE MATERIALS, WATER, ALKALINE MATERIALS, NITRIC ACID, OXIDIZING AGENTS.

Hazardous Decomposition Products:

None (HEAT WILL RELEASE HCl FUMES)

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT APPLICABLE

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: