

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-778/7782-86-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7782-86-7

Code:
M

RTECS:

Code:
X

Name:
MERCUROUS NITRATE, MONOHYDRATE; (MERCURIC NITRATE

Other REC Limits:
N/K

OSHA PEL:
N/K (FP N)

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K (FP N)

Code:
M

ACGIHSTEL:
N/P

Code:
1

Control Measures

Respiratory Protection:
NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation:
ADEQUATE VENTILATION.

Protective Gloves:
NEOPRENE GLOVES.

Eye Protection:
3 ANSI APPVD LAB GRADE GOGG W/FULL (SUPDAT

Other Protective Equipment:
Equipment LAB COAT. EMERGENCY EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:
SPILL PROC: DISPOSE OF ALL MERCURY CONTAMINATED MATERIAL IN AN EPA APPROVED HAZARDOUS WASTE FACILITY. EYE PROT: LENGTH FACESHIELD (FP N).

Health Hazards Data

LD50LC50Mixture:
LD50:(ORAL,RAT) 174 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:
ACUTE: CAUSES BURNS. MAY CAUSE ULCERATION IN THE DIGESTIVE TRACT IF INGESTED. MERCURY IS A GENERAL PROLASMIC POISON. IT CIRCULATES IN THE BLOOD AND IS STORED IN THE LIVER, KIDNEYS, SPLEEN AND BONES . MAY CAUSE KIDNEY DAMAGE. MERCURY COMPOUNDS APPEAR ON NAVY LIST OF OCCUP CHEM REPROD HAZS. SEEK (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:
NOT RELEVANT

Signs And Symptions Of Overexposure:
HLTH HAZ: CONSULTATION FROM APPROPRIATE PROFESSIONALS CONCERNING LATEST HAZARD LIST INFORMATION AND SAFE HANDLING AND EXPOSURE INFORMATION (FP N).

Medical Cond Aggravated By Exposure:
ALLERGIES OR SENSITIVITY TO MERCURY; CHRONIC RESPIRATORY DISEASE, NERVOUS SYSTEM DISORDERS OR KIDNEY DISEASE.

First Aid:
EYE/SKIN: IMMED FLUSH EYES AND SKIN WITH WATER FOR AT LEAST 15 MIN. REMOVE CONTAMINATED CLOTHING. CALL PHYSICIAN. INGEST: GIVE EGG WHITES, MILK OR ACTIVATED CHARCOAL. INDUCE 2 VOMITING BY STICKING FINGE R DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN. INHAL: REMOVE TO FRESH AIR.

Spill Release Procedures:
THE TOXICITY OF MERCURY IS SUCH THAT THE ELEMENT & ITS COMPOUNDS SHOULD NOT BE ALLOWED TO CONTAM AIR OR WATER. SOAK UP SOLUTION W/INERT MATL. DO NOT BREATHE FUMES. DECONTAM THE AREA W/MECURY ABSORBING COMPOUNDS AVAILABLE COMMERCIALY. (SUPP DATA)

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

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

Handling And Storage Precautions:
AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP AWAY FROM OXIDIZABLE MATERIALS.

Other Precautions:
STORE IN A COOL DRY PLACE AWAY FROM ALKALIES & OXIDIZABLE MATERIALS.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
WATER, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:
MAY EMIT TOXIC FUMES IN FIRE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
1.27

VOC Pounds/Gallon:

PH: 0.4

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
0.86

Solubility in Water:
SOLUBLE

Appearance and Odor:
CLEAR AND COLORLESS.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXTREME TEMPERATURE

Materials To Avoid:
CONTACT WITH OXIDIZABLE MATERIALS, ALCOHOLS, SULFUR, PHOSPHINE, HYPOPHOSPHORIC ACID, ALKALIES.

Hazardous Decomposition Products:
MAY EMIT TOXIC FUMES IN FIRE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

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