

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

ACGIH STEL:

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

LD50/LC50 Mixture:

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 Symptoms 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 MTL. DO NOT BREATHE FUMES. DECONTAM THE AREA W/MERCURY ABSORBING COMPOUNDS AVAILABLE COMMERCIALLY. (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:

N/A

Flash Point Text:

NOT APPLICABLE

Autoignition Temp:

N/A

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 IC No:

Net Prop WT For Ammo:

Boiling Point:

B/P Text:

Melt/Freeze Pt:

N/K/F.P Text:

Decomp Temp:

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

N/A

Spec Gravity:

1.27

VOC Pounds/Gallon:

N/A

PH:

0.4

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

0.86

SOLUBILITY IN WATER:

SOLUBLE

APPEARANCE AND COLORLESS:

N/A

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

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

WARRANTY: Information is believed to be correct but does not purport to be "inclusive and shall be used

only as a guide. The information in this document is based on the present state of our knowledge and is

guaranteed of the properties of the product. Lookchem shall not be held liable for any damage resulting

from handling or from contact with the above product. See reverse side of invoice or packing slip for

terms and conditions of sale.

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:

N/P

Physical/Chemical Properties

HCC:

NRC/State IC No:

Net Prop WT For Ammo:

N/P

Boiling Point: