

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-778/7783-34-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7783-34-8  
**Code:**  
M  
**RTECS:**  
  
**Code:**  
X  
**Name:**  
MERCURIC NITRATE  
**Other REC Limits:**  
N/K  
**OSHA PEL:**  
100 UG/M3 (HG)  
**Code:**  
M  
**OSHA STEL:**  
  
**Code:**  
  
**ACGIH TLV:**  
100 UG/M3 (HG)  
**Code:**  
M  
**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
WEAR NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR. USE ADEQUATE VENTILATION.  
**Ventilation:**  
USE ONLY IN A CHEMICAL FUME HOOD.  
**Protective Gloves:**  
NEOPRENE OR POLYETHYLENE GLOVES.  
**Eye Protection:**  
CHEMICAL WORKERS GOGGLES (FP N).  
**Other Protective Equipment:**  
Equipment MAKE EYE BATH AND EMERGENCY SHOWER AVAILABLE.  
**Work Hygienic Practices:**  
WASH HANDS FREQUENTLY AND THOROUGHLY DURING CONTACT WITH MATERIAL AND AT END OF WORKDAY (FP N).  
**Supplemental Safety and Health:**  
NONE SPECIFIED BY MANUFACTURER.

## Health Hazards Data

**LD50LC50Mixture:**  
NONE SPECIFIED BY MANUFACTURER.  
**Route Of Entry Inds - Inhalation:**  
YES  
**Skin:**  
YES  
**Ingestion:**  
NO  
**Carcinogenicity Inds - NTP:**  
NO  
**IARC:**  
NO  
**OSHA:**  
NO  
**Health Hazards Acute And Chronic:**  
EYES:CAUSES IRRITATION. MAY CAUSE SEVERE BURNS AND LOSS OF VISION. SKIN:CAUSES SKIN IRRITATION. READILY ABSORBED. INHAL:MAY CAUSE RESPIRATORY TRACT INFLAMMATION. INGEST:SEVERE NAUSEA, ABDOMINAL PAIN, BLOODY DIARRHEA, KIDNEY DAMAGE, DEATH. CHRONIC:CNS DISTURBANCES, MUSCLE TREMORS, LOSS OF MEMORY, (SEE EFTS OF OVEREXP)  
**Explanation Of Carcinogenicity:**  
NOT RELEVANT  
**Signs And Symptions Of Overexposure:**  
HLTH HAZ:IRRITABILITY, DEPRESSION, INSOMNIA, GUM DISEASE, POSSIBLE IRRATIONALITY OR INSANITY. SYMPTOMS DISAPPEAR WITH TIME AFTER EXPOSURE CEASES.  
**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER. 3  
**First Aid:**  
EYES:WASH EYES WITH COPIOUS QTY OF WATER FOR AT LEAST 15 MIN. GET MD. SKIN:WASH SKIN WITH SOAP AND WATER. IF IRRIT OCCURS OR PERSISTS SEEK MED ATTN. INHAL:REMOVE PATIENT TO FRESH AIR. ADMINISTER APPRV D OXYGEN SUPPLY IF BRTHG IS DFCLT. ADMINISTER ARTF RESP OR CPR IF BRTHG HAS CEASED. CALL MD. INGEST:KEEP PATIENT WARM AND QUIET. GIVE LARGE QUANTITY OF WATER TO DILUTE. INDUCE VOMIT. GET MD.  
**Spill Release Procedures:**  
ABSORB ON SAND OR VERMICULITE AND PLACE IN A CLOSED CONTAINER FOR DISPOSAL. WEAR NIOSH/MSHA APPROVED SCBA, RUBBER BOOTS AND HEAVY RUBBER GLOVES.  
**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.  
**Waste Disposal Methods:**  
ACCORDING TO ALL APPLICABLE REGULATIONS.  
**Handling And Storage Precautions:**  
DO NOT WASH DOWN THE DRAIN. DO NOT STORE IN DIRECT SUNLIGHT. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. IN ACCORDANCE WITH GOOD (SEE OTHER PRECAU)  
**Other Precautions:**  
HNDLG/STOR PREC:STORAGE AND HANDLING PRACTICES. DO NOT ALLOW SMOKING AND FOOD CONSUMPTION WHILE HANDLING.

## 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:**  
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.  
**Fire Fighting Procedures:**  
4 USE NIOSH/MSHA SCBA WITH A FULL FACEPIECE OPERATED IN A PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.  
**Unusual Fire/Explosion Hazard:**  
OXIDIZING MATERIAL CONTRIBUTES TO COMBUSTION OF OTHER MATERIALS. AVOID RUN-OFF TO WATERWAYS AND SEWERS. AVOID CONTAMINATION OF WATER SUPPLIES.

## Physical/Chemical Properties

**HCC:**  
T3  
**NRC/State LIC No:**  
  
**Net Prop WT For Ammo:**  
5  
**Boiling Point:**  
  
**B.P. Text:**  
N/A  
**Melt/Freeze Pt:**  
  
**M.P/F.P Text:**  
N/A  
**Decomp Temp:**  
  
**Decomp Text:**  
N/K  
**Vapor Pres:**  
N/A  
**Vapor Density:**  
N/A  
**Volatile Org Content %:**  
  
**Spec Gravity:**  
N/A  
**VOC Pounds/Gallon:**  
  
**PH:** ACIDIC  
**VOC Grams/Liter:**  
  
**Viscosity:**  
N/P  
**Evaporation Rate & Reference:**  
NOT APPLICABLE  
**Solubility in Water:**  
COMPLETE  
**Appearance and Odor:**  
WATER-WHITE ODORLESS LIQUID  
**Percent Volatiles by Volume:**  
N/K  
**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES  
**Stability Condition To Avoid:**  
NONE SPECIFIED BY MANUFACTURER.  
**Materials To Avoid:**  
ACETYLENE, ETHANOL, PHOSPHINE, HYPOPHOSPHORIC ACID, SULFUR, UNSATURATES, AROMATICS, NA\*2, CO\*3.  
**Hazardous Decomposition Products:**  
TOXIC FUMES OF MERCURY AND NO\*X ON THERMAL DECOMPOSITION.  
**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