

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-778/7783-00-8.html> for suppliers of this product.

## Composition/Information on Ingredient

<b>Cas:</b> 7783-00-8
<b>Code:</b> M
<b>RTECS:</b> VS7175000
<b>Code:</b> M
<b>Name:</b> SELENIOUS ACID (SARA 302/313) (CERCLA)
<b>Other REC Limits:</b> NONE RECOMMENDED
<b>OSHA PEL:</b> 0.2 MG(SE)/M3
<b>Code:</b> M
<b>OSHA STEL:</b>
<b>Code:</b>
<b>ACGIH TLV:</b> 0.2 MG(SE)/M3; 9596
<b>Code:</b> M
<b>ACGIHSTEL:</b> N/P
<b>Code:</b>

## Control Measures

<b>Respiratory Protection:</b> HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR, SUPPLIED-AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS EACH W/FULL FACEPIECE, HELMET OR HOOD IF MISTING 5 IS LIKELY.
<b>Ventilation:</b> PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST IF MISTING IS LIKELY.
<b>Protective Gloves:</b> RUBBER OR PLASTIC
<b>Eye Protection:</b> GLASSES, GOGGLES OR FACE SHIELD
<b>Other Protective Equipment:</b> Equipment AS APPROPRIATE TO OPERATION TO GUARD AGAINST CONTAMINATION OF CLOTHING PROLONGED OR REPEATED SKIN CONTACT.
<b>Work Hygienic Practices:</b> MFR GAVE NO INFORMATION OF MSDS.
<b>Supplemental Safety and Health:</b> ICAL TREATMENT W/10% SODIUM THIOSULFATE RECOMMENDED FOR EYE, SKIN CONTACT. A DIAURETIC WILL SPEED ELIMINATIONOF SELENIUM. VITAMIN B COMPLEX, VITAMIN C & METHIOAMINE ARE RECOMMENDED.

## Health Hazards Data

<b>LD50LC50Mixture:</b> ESTIMATED LD50 (ORAL RAT) = 2.2 G/KG
<b>Route Of Entry Inds - Inhalation:</b> YES
<b>Skin:</b> YES
<b>Ingestion:</b> YES
<b>Carcinogenicity Inds - NTP:</b> NO
<b>IARC:</b> NO
<b>OSHA:</b> NO
<b>Health Hazards Acute And Chronic:</b> ACUTE-EYE IRRITATANT. PROLONGED &/OR REPEATED SKIN CONTACT MAY CAUSE SLIGHT IRRITATION. CAN ALSO CAUSE SENSITIZATION. TOXIC FUMES ARE NOT NORMALLY GENERATED. SLIGHTLY TOXIC BY INGESTION. CHRONIC-NO CH RONIC EYE EFFECTS. SKIN SENSITIZATION. INHALATION/ INGESTION MAY PRODUCE WEAKNESS, PALLOR, ANEMIA, DEGENERATION OF ORGAN
<b>Explanation Of Carcinogenicity:</b> IARC LISTS SELENIDES AS INDEFINITE.
<b>Signs And Symptions Of Overexposure:</b> EYE IRRITATION, SWELLING & REDNESS, SKIN REDNESS & SENSITIZATION. NOSE & THROAT IRRITATION, GARLIC ODOR OF BREATH, HEADACHE, DIZZINESS, LASSITUDE, TREMORS, DIFFICULTY IN BREATHING, NAUSEA, VOMITING, D IARRHEA, METALLIC TASTE.
<b>Medical Cond Aggravated By Exposure:</b> PRECLUDE FROM CONTACT W/PRODUCT THOSE WITH WILSON'S DISEASE OR DISEASES OF THE SKIN, LUNGS, LIVER, KIDNEYS OR G/I TRACT.
<b>First Aid:</b> IF ANY IRRITATION PERSISTS OR SEVERE, GET MEDICAL ATTENTION. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM CONTAMINAT ED AREA. AID OR RESTORE BREATHING AS NEEDED. INGESTED:GET IMMEDIATE MEDICAL ATTENTION. IF CONSCIOUS & NO MEDICAL ADVICE AVAILABLE, INDUCE VOMITING. SEE SUPP DATA.
<b>Spill Release Procedures:</b> REVIEW CURRENT FEDERAL, STATE & LOCAL REGULATIONS, LAWS & STATUTES TO DETERMINE THE CONDITIONS REQUIRING NOTIFICATION & THE AGENCIES TO NOTIFY. RECOVER FREE LIQUID FOR REUSE. PICK UP REMAINDER W/ABSOR BENT. AVOID DISCHARGE DIRECTLY TO SEWER. 4
<b>Neutralizing Agent:</b> DEGREASED STEEL WOOL, NITRIC ACID, SODIUM BICARBONATE OR SODIUM HYDROXIDE
<b>Waste Disposal Methods:</b> REVIEW CURRENT FEDERAL, STATE & LOCAL REGULATIONS, LAWS & STATUTES TO DETERMINE APPROPRIATE DISPOSAL METHOD. CALL BIRCHWOOD FOR CURRENT SPECIFIC INSTRUCTIONS.
<b>Handling And Storage Precautions:</b> AVOID CO-LOADING & STORING W/CYANIDES, WATER REACTIVES, STRONG REDUCING AGENTS. STORE IN ACID RESISTANT CONTAINERS PROTECTED FROM PHYSICAL DAMAGE.
<b>Other Precautions:</b> AFTER HANDLING, WASH BEFORE SMOKING OR EATING.

## Fire and Explosion Hazard Information

<b>Flash Point Method:</b> N/P
<b>Flash Point:</b>
<b>Flash Point Text:</b> NON-FLAMMBLE
<b>Autoignition Temp:</b>
<b>Autoignition Temp Text:</b> N/R
<b>Lower Limits:</b> NOT GIVEN
<b>Upper Limits:</b> NOT GIVEN
<b>Extinguishing Media:</b> NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.
<b>Fire Fighting Procedures:</b> NONFLAMMABLE. USE STANDARD FIREFIGHTING PROCEDURES FOR SURROUNDING MATERIALS IN THE FIRE.
<b>Unusual Fire/Explosion Hazard:</b> NON-FLAMMABLE, NON-EXPLOSIVE EXCEPT WITH WATER-REACTIVE SUBSTANCES.

## Physical/Chemical Properties

<b>HCC:</b> C1
<b>NRC/State LIC No:</b> NONE
<b>Net Prop WT For Ammo:</b>
<b>Boiling Point:</b>
<b>B.P. Text:</b> 213F,101C
<b>Melt/Freeze Pt:</b>
<b>M.P/F.P Text:</b> NOT GIVEN
<b>Decomp Temp:</b>
<b>Decomp Text:</b> NOT GIVEN
<b>Vapor Pres:</b> NOT DATA
<b>Vapor Density:</b> <1
<b>Volatile Org Content %:</b>
<b>Spec Gravity:</b> 1.034
<b>VOC Pounds/Gallon:</b> 6
<b>PH:</b> 1.0
<b>VOC Grams/Liter:</b>
<b>Viscosity:</b> UNKNOWN
<b>Evaporation Rate &amp; Reference:</b> 1 (ETHYL ETHER = 1)
<b>Solubility in Water:</b> COMPLETELY MISCIBLE
<b>Appearance And Odor:</b> ODORLESS BLUE LIQUID
<b>Percent Volatiles by Volume:</b> N/K
<b>Corrosion Rate:</b> UNKNOWN

## Reactivity Data

<b>Stability Indicator:</b> YES
<b>Stability Condition To Avoid:</b> NONE KNOWN
<b>Materials To Avoid:</b> CYANIDES, WATER-REACTIVE SUBSTANCES, ORGANIC SOLVENTS, OILS STRONG REDUCING AGENTS
<b>Hazardous Decomposition Products:</b> CHEMICAL REACTIONS MAY PRODUCE ORGANOSELENIDES OR HYDROGEN SELENIDE. ALSO SELENIUM DIOXIDE FUMES OXIDES OF NITROGEN
<b>Hazardous Polymerization Indicator:</b> NO
<b>Conditions To Avoid Polymerization:</b> WILL NOT OCCUR.

## 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