

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-778/7784-34-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7784-34-1

**Code:**  
M

**RTECS:**  
CG1750000

**Code:**  
M

**Name:**  
ARSENIC TRICHLORIDE (ARSENIC CHLORIDE)

**Other REC Limits:**  
NONE RECOMME

**OSHA PEL:**  
0.01 MG/M3 (AS AS).

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
0.01 MG/M3 (AS AS).

**Code:**  
M N/P

**ACGIHSTEL:**  
EPA Rpt Qty: 1 LB DOT Rpt Qty: 1 LB Ozone Dep

**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
USE IN WELL VENTILATED AREA (HOOD). ALWAYS USE NIOSH APPROVED RESPIRATORS WHEN REQUIRED.

**Ventilation:**  
ADEQUATE

**Protective Gloves:**  
NATURAL RUBBER OR LATEX 3

**Eye Protection:**  
SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

**Other Protective Equipment:**  
Equipment EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

**Work Hygienic Practices:**  
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

**Supplemental Safety and Health:**  
MANUFACTURER UNKNOWN. THIS MSDS WAS PREPARED BY THE PROFESSIONALS OF DGSC-SHH WITHOUT ANY WARRANTY. IT IS THE USER'S RESPONSIBILITY TO GATHER INFORMATION AND USE THE MATERIAL PROPERLY TO PROTECT EMPLOYEES AND ENVIRONMENT.

## Health Hazards Data

**LD50LC50Mixture:**  
LD50(ORAL,RAT),ARSENIC TRIOX.:14.6 MG/KG

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
YES

**Health Hazards Acute And Chronic:**  
TARGET ORGANS:EYE, SKIN, CNS, LIVER, RESPIRATORY & GI TRACTS. ACUTE- TOXIC. MAY BE FATAL IF SWALLOWED/INHALED. EXTREMELY DESTRUCTIVE TO TISSUE OF MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT, EYES & SKIN. INHALATION MAY BE FATAL DUE TO SPASM, INFLAMMATION & EDEMA OF LARYNX & BRONCHI. MAY CAUSE BLINDNESS. CHRONIC- UNKNOWN

**Explanation Of Carcinogenicity:**  
CONTAINS ARSENIC (INORGANIC).

**Signs And Symptoms Of Overexposure:**  
CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANES, IRRITATION OF EYES, SKIN, RESPIRATORY TRACT, ABDOMINAL PAIN, NAUSEA, VOMITTING, COUGHING

**Medical Cond Aggravated By Exposure:**  
PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

**First Aid:**  
2 GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED: REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**Spill Release Procedures:**  
COVER SPILL WITH SOLID NEUTRALIZER OR ABSORBER. PUT NEUTRALIZED MATERIAL IN LINED DISPOSAL CONTAINER.

**Neutralizing Agent:**  
SODIUM BICARBONATE

**Waste Disposal Methods:**  
DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. CORROSIVE AND TOXIC WASTE.

**Handling And Storage Precautions:**  
STORE IN A COOL, VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

**Other Precautions:**  
TOXIC. DO NOT TAKE INTERNALLY. DO NOT BREATHE VAPORS. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/R

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

**Fire Fighting Procedures:**  
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

**Unusual Fire/Explosion Hazard:**  
MAY FORM TOXIC OXIDES OF ARSENIC.

## Physical/Chemical Properties

**HCC:**  
T3

**NRC/State LIC No:**  
NOT RELEVANT

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212F,100C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
UNKNOWN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
UNKNOWN

**Vapor Density:**  
UNKNOWN

**Volatile Org Content %:**

**Spec Gravity:**  
1

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
UNKNOWN

**Evaporation Rate & Reference:**  
UNKNOWN

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
WATER WHITE LIQUID, PUNGENT ODOR

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH HEAT

**Materials To Avoid:**  
STRONG BASES

**Hazardous Decomposition Products:**  
MAY FORM OXIDES OF ARSENIC.

**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