

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-600/6009-70-7.html> for suppliers of this product.

## Composition/Information on Ingredient

<b>Cas:</b> 6009-70-7
<b>Code:</b> M
<b>RTECS:</b>
<b>Code:</b> X
<b>Name:</b> AMMONIUM OXALATE MONOHYDRATE (CERCLA)
<b>Other REC Limits:</b> NONE RECOMMENDED
<b>OSHA PEL:</b> NOT ESTABLISHED
<b>Code:</b> M
<b>OSHA STEL:</b>
<b>Code:</b>
<b>ACGIH TLV:</b> NOT ESTABLISHED
<b>Code:</b> M N/P
<b>ACGIHSTEL:</b> EPA Rpt Qty: 5000 LBS DOT Rpt Qty: 5000 LBS
<b>Code:</b> 2 ACGIH STEL:

## Control Measures

<b>Respiratory Protection:</b> DUST/MIST
<b>Ventilation:</b> LOCAL EXHAUST AND MECHANICAL(GENERAL).
<b>Protective Gloves:</b> VINYL OR RUBBER.
<b>Eye Protection:</b> GOGGLES.
<b>Other Protective Equipment:</b> Equipment LAB COAT.
<b>Work Hygienic Practices:</b> NONE SPECIFIED BY MANUFACTURER.
<b>Supplemental Safety and Health:</b> PC:39874-00. KEY1:HCC=T4. PER MFG KIT NOT MANUFACTURED ANY MORE,SIZE OF CHEMS UNK.OTHER PARTS SEE CAGES 11273,CENC1,CENC2,CNCE3,CENC4 ALL PNIND W/SAME NSN.

## Health Hazards Data

<b>LD50LC50Mixture:</b> NONE SPECIFIED BY MANUFACTURER.
<b>Route Of Entry Inds - Inhalation:</b> YES
<b>Skin:</b> YES
<b>Ingestion:</b> NO
<b>Carcinogenicity Inds - NTP:</b> NO
<b>IARC:</b> NO
<b>OSHA:</b> NO
<b>Health Hazards Acute And Chronic:</b> TOXIC/ACUTE:IRRITATIAON TO SKIN/EYES/LUNGS/MUCOUS MEMBRANES, AND GI TRACT.CHRONIC:SYSTEMIC METAL POISONING HAZARD.DERMATITIS.
<b>Explanation Of Carcinogenicity:</b> N/P
<b>Signs And Symptions Of Overexposure:</b> 3 (WHEN IN DOUBT CALL PHYSICIAN OR LOCAL POISON CONTROL CENTER).IRRIT SKIN/EYE/LUNGS/MUC MEMBRANE/GI TRACT.DERMATITIS.SYSTEMIC METAL POISONING HAZARD.
<b>Medical Cond Aggravated By Exposure:</b> PERSONS W/PRE-EXISTING SKIN/EYE/RESPIRATORY DISORDERS MAY BE MORE SUSCEPTIBLE.
<b>First Aid:</b> SKIN:REMOVE ANY CONTAM CLOTH/WASH SKIN W/SOAP/H2O @LEAST 15MINS.IRRIT DVLPS/PERSISTS GET MED ATTN.EYE:WASH W/PLENTY OF WATER @LEAST 15MINS,LIFT EYELIDS OCCASION.GET MED ATTN IMMED.INHAL:REMOVE TO FRES H AIR.NOT BREATH GIVE ART RESP;BREATH DIFF GIVE OXY.CALL DR.INGEST:INDUCE VOMIT IMMED BY GIVING 2GLASSES OF H2O,STICK FINGER DOWN THROAT.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.CALL PHYSICIAN IMMED.
<b>Spill Release Procedures:</b> PERCIPATE OUT BARIUM USING SULFATE SOLUTION AND SCOOP UP.CLEANUP/DISPO METHODS ARE RECOMMENDATIONS ONLY.CHECK YOUR LOC/STATE/FED REGS.
<b>Neutralizing Agent:</b> SODIUM BICARBONATE
<b>Waste Disposal Methods:</b> DISPOSE:WHATEVER CANT BE SAVED FOR RECLAMATION MAY BE DISPO IN RCRA APPROVED HAZ WASTE FACILITY.DO NOT FLUSH TO SEWER.CLEANUP/DISPOSAL METHODS ARE RECOMMENDATIONS ONLY.CHECK YOUR LOC/STATE/FED REGS.
<b>Handling And Storage Precautions:</b> STORE IN COOL LOCATION.
<b>Other Precautions:</b> NONE SPECIFIED BY MANUFACTURER.

## Fire and Explosion Hazard Information

<b>Flash Point Method:</b> N/P
<b>Flash Point:</b>
<b>Flash Point Text:</b> NA
<b>Autoignition Temp:</b>
<b>Autoignition Temp Text:</b> NP
<b>Lower Limits:</b> NP
<b>Upper Limits:</b> NP 4
<b>Extinguishing Media:</b> USE ANY MEDIUM SUITABLE FOR EXTINGUISHING SUPPORTING FIRE.
<b>Fire Fighting Procedures:</b> IN EVENT OF FIRE WEAR FULL PROTECTIVE CLOTH & NIOSH-APPROV SELF-CONTAIN BREATH APPARATUS W/FULL FCPIECE OPERATED IN PRESSURE DEMAND OR OTHER +PRESSURE MODE.
<b>Unusual Fire/Explosion Hazard:</b> NOT CONSIDERED TO BE A FIRE HAZARD.NOT CONSIDERED TOB E AN EXPLOSION HAZARD.

## Physical/Chemical Properties

<b>HCC:</b> 5 V1
<b>NRC/State LIC No:</b> N/R
<b>Net Prop WT For Ammo:</b>
<b>Boiling Point:</b>
<b>B.P. Text:</b> 212F,100C
<b>Melt/Freeze Pt:</b>
<b>M.P/F.P Text:</b> 32.0F,0.0C
<b>Decomp Temp:</b>
<b>Decomp Text:</b> NP
<b>Vapor Pres:</b> NA
<b>Vapor Density:</b> NA
<b>Volatile Org Content %:</b>
<b>Spec Gravity:</b> 1
<b>VOC Pounds/Gallon:</b>
<b>PH:</b> NP
<b>VOC Grams/Liter:</b>
<b>Viscosity:</b> NP
<b>Evaporation Rate &amp; Reference:</b> NA
<b>Solubility in Water:</b> 100%
<b>Appearance and Odor:</b> CLEAR COLORLESS SOLUTION, NO ODOR
<b>Percent Volatiles by Volume:</b> NA
<b>Corrosion Rate:</b> NP

## Reactivity Data

<b>Stability Indicator:</b> YES
<b>Stability Condition To Avoid:</b> NONE
<b>Materials To Avoid:</b> SULFATES
<b>Hazardous Decomposition Products:</b> NITROGEN OXIDES
<b>Hazardous Polymerization Indicator:</b> NO
<b>Conditions To Avoid Polymerization:</b> NONE

## Toxicological Information

<b>Information:</b> N/P
-------------------------

## MSDS Transport Information

<b>Information:</b> N/P
-------------------------

## Regulatory Information

<b>Sara Title III Information:</b> N/P
<b>Federal Regulatory Information:</b> N/P
<b>State Regulatory Information:</b> N/P

## Other Information

<b>Other Information:</b> N/P
-------------------------------