

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-120/12027-67-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

12027-67-7

Code:

M

RTECS:

QA5076000

Code:

M

Name:

AMMONIUM MOLYBDATE

Other REC Limits:

NONE SPECIFIED

OSHA PEL:

5 MG MO/M3

Code:

M

OSHA STEL:

Code:

2

ACGIH TLV:

5 MG MO/M3

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ACID MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:

USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:

5 RUBBER GLOVES

Eye Protection:

SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:

Equipment EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AND RUBBER BOOTS AS REQUIRED.

Work Hygienic Practices:

USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID ALL CONTACT IF POSSIBLE.

Supplemental Safety and Health:

SECOND EMERGENCY PHONE NUMBER IS OF THE ROCKY MOUNTAIN POISON CENTER.

Health Hazards Data

LD50/LC50 Mixture:

LD50 (ORAL RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE-MAY BE CORROSIVE TO EYES,SKIN AND RESPIRATORY TRACT.SULFURIC ACID IS CORROSIVE TO ALL BODY TISSUES.MOLYBDENUM COMPOUNDS MAY CAUSE LOSS OF COORDINATION,MAY EFFECT ENZYME ACTIVITY,MAY INDUCE COPPER DEFICIENCY.CHRONIC TOXICITY-EROSION OF TEETH.MAY CAUSE GOUT.

Explanation Of Carcinogenicity:

THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:

EYE: SEVERE IRRITATION,BURNS SKIN:SEVERE IRRITATION,BURNS. INHALED;IRRITATION,BURNS TO RESPIRATORY TRACT,COUGHING. INGESTED:G/I DISTRESS,BURNS.

Medical Cond Aggravated By Exposure:

PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT, BLOOD DISEASE AND GOUT MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:

EYE AND SKIN CONTACT:IMMEDIATELY FLUSH W/WATER FOR 15 MINUTES.REMOVE CONTAMINATED CLOTHING.CALL PHYSICIAN,INHALATION:REMOVE TO FRESH AIR.RESTORE BREATHING IF NECESSARY.CALL PHYSICIAN,INGESTED:DO NOT INDUCE VOMITING.GIVE LARGE QUANTITIES OF WATER.GIVE AT LEAST 1 OUNCE OF MILK OF MAGNESIA IN AN EQUAL AMOUNT OF WATER, OR THE WHITE OF 3 EGGS.GET IMMEDIATE MEDICAL CARE.GIVE NOTHING TO UNCONSCIOUS ONE.

Spill Release Procedures:

WEAR APPROPRIATE PROTECTIVE CLOTHING.COVER THE CONTAMINATED SURFACE WITH SODIUM BICARBONATE OR A SODA ASH-SLAKED LIME MIXTURE (50-50).MIX AND ADD WATER IF NECESSARY TO FORM A SLURRY.SCOOP UP SLURRY AND WASH THE SITE WITH SODA ASH SOLUTION.

Neutralizing Agent:

SODIUM BICARBONATE OR 50/50 LIME AND SODA ASH

Waste Disposal Methods:

DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.THE ABOVE NEUTRALIZED SLURRY MAY CONTAIN SUFFICIENT HEAVY METAL CONCENTRATION TO REQUIRE LANDFILL/TREATMENT AT AN EPA APPROVED SITE. 4

Handling And Storage Precautions:

KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. KEEP CONTAINERS OUT OF SUN AND AWAY FROM HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:

WASH THOROUGHLY AFTER HANDLING.AVOID CONTACT WITH EYES, SKIN AND CLOTHING.DO NOT BREATHE CHEMICALS.

Fire and Explosion Hazard Information

Flash Point Method:

CC

Flash Point:

Flash Point Text:

>212F,>100C

Autoignition Temp:

Autoignition Temp Text:

N/K

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

CARBON DIOXIDE, ALCOHOL FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:

FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF TOXIC FUMES.

Physical/Chemical Properties

HCC:

C1

MSDS State LIC No:

N/R

Net WT For Ammo:

Boiling Point:

214F,101C

Melt/Freeze Pt:

M/P/F/P Text:

N/R

Decomp Temp:

Decomp Text:

UNKNOWN

Vapor Pres:

UNKNOWN

Vapor Density:

UNKNOWN

Appearance and Odor:

CLEAR, COLORLESS LIQUID, NO ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

4.245

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Toxicological Information