

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-111/1113-38-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

1113-38-8

Code:

M

RTECS:

RO2750000

Code:

M

Name:

AMMONIUM OXALATE (8 GRAMS/LT) INFORMATION TAKEN F

Other REC Limits:

NONE SPECIFIED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:

LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:

RUBBER GLOVES.

Eye Protection:

SAFETY GLASSES.

Other Protective Equipment:

Equipment PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:

WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

KEY1:F3. THIS IS PART A OF A 4 PART KIT, FOR OTHER PARTS, SEE PNI B, C, AND D, SAME NSN.

Health Hazards Data

LD50LC50Mixture:

LD 50 ORAL RAT IS UNKNOWN

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

N/K

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: CONTACT MAY CAUSE EYE AND SKIN DAMAGE. INHALATION MAY CAUSE NAUSEA, CENTRAL NERVOUS SYSTEM EFFECTS. INGESTION MAY AFFECT THE OCULAR NERVE. CHRONIC: INHALATION MAY CAUSE SENSITIZATION OF RESPIRATORY SYSTEM.

Explanation Of Carcinogenicity:

NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:

3 EYE/SKIN: IRRITATION. INHALATION: NAUSEA, DROWSINESS. INGESTION: VISION EFFECTS.

Medical Cond Aggravated By Exposure:

INDIVIDUALS WITH A HISTORY OF RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:

EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR IMMEDIATELY. INGESTION: GIVE TWO GLASSES OF WATER. INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.

Spill Release Procedures:

REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES. VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

Neutralizing Agent:

NOT APPLICABLE.

Waste Disposal Methods:

CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:

AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS. GROUND PROCESSING EQUIPMENT.

Fire and Explosion Hazard Information

Flash Point Method:

TCC

Flash Point:**Flash Point Text:**

48.0F,8.9C

Autoignition Temp:**Autoignition Temp Text:**

N/K

Lower Limits:

UNKNOWN

Upper Limits:

UNKNOWN 4

Extinguishing Media:

DRY POWDER, FOAM, CARBON DIOXIDE.

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:

COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Physical/Chemical Properties

HCC:

F2

NRC/State Lic No:

N/R

Net Prop WT For Ammo:

YES

Boiling Point:**B.P. Text:**

173F,79C

Melt/Freeze Pt:**Melt/Freeze Pt Text:**

N/K

Decomp Temp:**Decomp Temp Text:**

UNKNOWN

Decomp Text:**Decomp Pres:**

40

Vapor Density:

1.59

Volatile Org Content %:**Volatile Org Content % Text:**

NO

Spec Gravity:

0.789

VOC Pounds/Gallon:**VOC Pounds/Gallon Text:**

N/K

PH: N/K**PH: N/K Text:**

N/K

VOC Grams/Liter:**VOC Grams/Liter Text:**

N/K

Viscosity:

UNKNOWN

Evaporation Rate & Reference:**Evaporation Rate & Reference Text:**

UNKNOWN

Solubility in Water:**Solubility in Water Text:**

COMPLETE

Appearance and Odor:

APPEARANCE COLOR WITH PUNGENT ODOR. (PHYSICAL DATA FOR ETHANOL ONLY)

Percent Volatiles by Volume:

N/K

Corrosion Rate:**Corrosion Rate Text:**

UNKNOWN

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HEAT, SPARKS, OPEN FLAMES.

Materials To Avoid:

STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:

CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT APPLICABLE.

Toxicological Information

Information:**MSDS Transport Information****Information:****Regulatory Information****Information:****Title III Information:****Information:****Federal Regulatory Information:****Information:****State Regulatory Information:****Information:****Other Information:****Information:**

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