

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-101/10125-13-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
10125-13-0

Code:
M

RTECS:
GL7030000

Code:
M

Name:
CUPRIC CHLORIDE DIHYDRATE.LD50 GUINEA PIG ORAL 31

Other REC Limits:
NOT KNOWN

OSHA PEL:
1 MG(CU)/M3

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
1 MG(CU)/M3

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
IF MORE THAN TLV,DO NOT BREATHE VAPOR.WEAR SELF- CONTAINED BREATHING APPARATUS.

Ventilation:
USE ONLY IN A CHEMICAL FUME HOOD.ADEQUATE VENTILATION TO MAINTAIN VAPOR/DUST BELOW TLV.

Protective Gloves:
IMPERVIOUS

Eye Protection:
CHEMICAL SAFETY GOGGLES

Other Protective Equipment:
Equipment APRON OR CLOTHING TO PROTECT SKIN.MAKE EYE BATH AND EMERGENCY SHOWER AVAILABLE.

Work Hygienic Practices:
WASH WELL AFTER USE.DO NOT ALLOW SMOKING AND FOOD CONSUMPTION WHILE HANDLING.WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
KEY1:C2. CONTRACT #:DAAA09-90-C-1064.ENTRY RTE:EYES. MATLS TO AVOID:WITH HYDROXYL CMPDS.REDUCING AGENTS,ALKALI METALS (POTASSIUM,SODIUM),HYDRAZINE,NITROMETHANE,ALUMINUM,ACETYLENE,SODIUM HYPOBROMITE.EF TS OF OVEREXPOS:MOVEMENTS,POSS SYMP OF COMMON COLD. 5
ABSORPTION/INGEST/INHAL:POSS CNS DEPRESS W/ NAUSEA,VOMIT,DROW,DIZZ.

Health Hazards Data

LD50LC50Mixture:
SEE INGREDIENT 1 AND 2.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
CONJUNCTIVITIS,VISION LOSS,PERMANENT EYE DAMAGE.ALLERGIC CONTACT DERMATITIS,SKIN SENSITIZATION. INHALATION/ INGESTION:RESPIRATORY FAILURE,CARDIAC FAILURE,LIVER & LUNG DAMAGE. INHALATION IS DESTRUCTIVE TO MUCOUS MEMBRANES.SEVERE KIDNEY DAMAGE. TERATOGEN (HAS CAUSED BIRTH DEFECTS IN LAB ANIMALS PER MANUFACTURER).

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
EYES:IRRIT,SEV BURNS. SKIN:IRRIT. INGEST:GI IRRIT.ABDOM PAIN,BLURRED VISION,IRRITABILITY,HYPOTENSION,CYANOSIS, TACHYPNEA,TACHYCARDIA,ANURIA,PROSTRATION,HYPOGLYCEMIA,OLIGURIA,UREMIA,PULM EDEMA,BRONCOPN EUMONIA,COMA,CONVULSIONS. INHAL:POSS RESP TRACT INFLAMMATION, REDUCED PULSE RATE & BLOOD PRESSURE,HDCH,IRREG EYE (SEE SU 3

Medical Cond Aggravated By Exposure:
NOT KNOWN

First Aid:
EYES:FLUSH W/ LOTS OF WATER FOR AT LEAST 15 MIN.CALL MD. SKIN:REMOVE CONTAM CLOTHING.WASH SKIN W/ LOTS OF WATER FOR AT LEAST 15 MIN.CALL MD. INGEST:GIVE LOTS OF WATER TO DILUTE.INDUCE VOMITING. CALL M D.NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERS. INHALATION:REMOVE TO FRESH AIR.ADMINISTER APPROVED OXYGEN IF BREATHING DIFFICULT.ADMINISTER ARTIFICIAL RESP OR CPR IF BREATHING HAS CEASED.CALL MD.

Spill Release Procedures:
SHUT OFF ALL IGNITION SOURCES.EVACUATE.WEAR SCBA,RUBBER BOOTS,HEAVY RUBBER GLOVES.ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINER FOR DISPOSAL.VENTILATE AREA & WASH SPILL SITE AFTER MATERI AL PICK UP IS COMPLETE.

Neutralizing Agent:
NOT KNOWN

Waste Disposal Methods:
DISPOSAL MUST BE IAW FEDERAL,STATE,& LOCAL REGULATIONS.COORDINATE WITH SUPPORTING INSTALLATION/MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL (FP A).AVOID RUNOFF.DO NOT WASH DOWN DRAIN.

Handling And Storage Precautions:
STORE IN COOL,DRY,WELL VENTILATED AREA,AWAY FROM DIRECT SUN,HEAT,SPARKS,FLAME,INCOMPATIBLE MATERIALS.KEEP CLOSED TIGHT. PRODUCT IS HIGHLY HYGROSCOPIC.

Other Precautions:
USE GOOD STORAGE & HANDLING PRACTICES.DO NOT GET IN EYES,ON SKIN/CLOTHING.DO NOT BREATHE VAPORS.AVOID ALL CONTACT.DO NOT ADD ANY OTHER MATERIAL TO THE CONTAINER.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
SEE ING 1

Autoignition Temp:

Autoignition Temp Text:
398C

Lower Limits:
SEE ING 1

Upper Limits:
SEE ING 1 4

Extinguishing Media:
CARBON DIOXIDE,DRY CHEMICAL POWDER,ALCOHOL OR POLYMER FOAM.WATER SPRAY.WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:
SCBA W/ FULL FACEPIECE OPERATED IN PRESS DEMAND/OTHER POSITIVE PRESS MODE.WEAR PERSONAL PROT TO PREVENT CONTACT W/ MATL/COMBUST PROD.COOL CONTRS W/ WATER SPRAY.

Unusual Fire/Explosion Hazard:
EMPTY CONTAINER MAY CONTAIN EXPLOSIVE OR FLAMMABLE RESIDUE.

Physical/Chemical Properties

HCC:
T4

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
NOT KNOWN

Melt/Freeze Pt:

M.P/F.P Text:
NOT KNOWN

Decomp Temp:

Decomp Text:
NOT KNOWN

Vapor Pres:
NOT KNOWN

Vapor Density:
NOT KNOWN

Volatile Org Content %:

Spec Gravity:
NOT KNOWN

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT KNOWN

Solubility in Water:
>40%

Appearance and Odor:
LIQUID

Percent Volatiles by Volume:
>40

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXPLOSIVE DECOMPOSITION MAY OCCUR IF COMBINED WITH STRONG ACIDS AND BASES SUBJECTED TO ELEVATED TEMPERATURES.

Materials To Avoid:
OXIDIZING AGENTS,PHOSPHORUS(V)SULFIDE,CHROMIUM TRIOXIDE,SODIUM PEROXIDE,POTASSIUM PERMANGANATE,MATLS REACTIVE (SEE SUPP)

Hazardous Decomposition Products:
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Hazardous Polymerization Indicator:
NO 6

Conditions To Avoid Polymerization:
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