

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

ACGIH STEL:

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

LD50/LC50/Mixture:

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:

CONJUNCTITIS,VISION LOSS,PERMANENT EYE DAMAGE,ALLERGIC CONTACT DERMATITIS,SKIN SENSITIZATION. INHALATION/INGEST: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 Symptoms Of Overexposure:

EYES:IRRIT,SEV BURNS. SKIN:IRRIT. INGEST:GI IRRIT.ABDOM PAIN,BLURRED VISION,IRRITABILITY,HYPOTENSION,CYANOSIS, TACHYNEA,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 MATERIAL 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

T4:

N/R:

Net 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

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 SUBJECT 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

Other Information:

N/P