

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-592/592-04-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
592-04-1
Code:
M

RTECS:
OW1515000
Code:
M

Name:
MERCURIC CYANIDE.LD50 RAT ORAL 26 MG/KG. (SARA II

Other REC Limits:
NOT KNOWN

OSHA PEL:
0.1 MG(HG)/M3 C SKIN
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
0.1 MG(HG)/M3 SKIN
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
WEAR APPROPRIATE OSHA/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR.IF TLV IS EXCEEDED,DO NOT BREATHE VAPOR.WEAR SELF- CONTAINED BREATHING APPARATUS.

Ventilation:
USE ONLY IN CHEMICAL FUME HOOD.USE 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:
WEAR CONTAMINATED CLOTHING BEFORE REUSE.WASH WELL AFTER USE.DO NOT ALLOW SMOKING AND FOOD CONSUMPTION WHILE HANDLING.

Supplemental Safety and Health:
KEY1:F5. CONTRACT #: DAAA09-90-C-1064.FIRE/EXPLO HAZ: WILL BUILD IN CLOSED CONTAINERS AT ELEVATED TEMPERATURES.VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR POOL IN LOW AREAS.ROUTES O F ENTRY:EYES.

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:
MAY BE FATAL BY INGEST/INHAL/SKIN ABSORPTION.MAY CAUSE MERCURY POISONING,EYE DAMAGE.INGESTION MAY CAUSE BLINDNESS,KIDNEY DAMAGE,CYANOSIS,CNS DAMAGE.PRLNGD CONT:DEFATTING DERMATITIS.

Explanation Of Carcinogenicity:
NONE

Signs And Symptoms Of Overexposure:
EYES:SEV IRRIT. SKIN:IRRITATION. INGESTION: CAUSES GASTROINTESTINAL IRRITATION.CAN CAUSE NAUSEA,VOMITING,DIARRHEA, HYPERMOTILITY. INHALATION:CAUSES RESPIRATORY TRACT INFLAMMATION.IRRITATING TO MUCOUS MEMBRANES.CAN CAUSE CNS EFFECTS-DIZZINESS,WEAKNESS,FATIGUE, NAUSEA,HEADACHE,POSSIBLE UNCONSCIOUSNESS.

Medical Cond Aggravated By Exposure:

3 NOT KNOWN

First Aid:
EYES:FLUSH W/ LOTS OF WATER FOR AT LEAST 15 MINUTES.CALL MD. SKIN:REMOVE CONTAMINATED CLOTHING.WASH SKIN W/ LOTS OF WATER FOR AT LEAST 15 MINUTES.CALL MD. INGEST:IF CONSCIOUS,WASH OUT MOUTH W/ WATER.D RINK LOTS OF WATER TO DILUTE.INDUCE VOMITING.CALL MD. INHAL: REMOVE TO FRESH AIR.ADMINISTER APPROVED O2 SUPPLY IF BRTHG DIFFICULT.ADMIN ARTIFICIAL RESPIRATION OR CPR IF BREATHING SPED.CALL MD.

Spill Release Procedures:
SHUT OFF ALL IGNITION SOURCES.EVACUATE.WEAR SELF-CONTAINED BREATHING APPARATUS,RUBBER BOOTS & HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE & PLACE IN CLOSED CONTAINER FOR DISPOSAL. VENTILATE ARE A & WASH SPILL SITE AFTER PICK UP IS COMPLETE.

Neutralizing Agent:
NOT KNOWN

Waste Disposal Methods:
DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,STATE, AND LOCAL REGULATIONS.COORDINATE WITH SUPPORTING INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL (FP A).AVOID RUN OFF.DO NOT WASH DO WN DRAIN.

Handling And Storage Precautions:
STORE IN COOL,WELL VENTILATED AREA AWAY FROM HEAT,SPARKS,FLAME,DIRECT SUN,INCOMPAT MATLS.KEEP CLOSED TIGHT.DO NOT ADD ANY OTHER MATERIAL TO CONTAINER.

Other Precautions:
GROUND CONTR WHILE DISPENSING.EMPTY CONTR MAY CONTAIN HAZ RESIDUE.VAPOR IS HEAVY-VENTILATE AT FLOOR & AT HIGHER LEVELS.USE GOOD STORAGE/HANDLING PRACTICES.DO NOT GET IN EYES,ON SKIN OR CLOTHING.DO NOT BREATHE VAPORS.AVOID ALL CONTACT.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NOT KNOWN

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
NOT KNOWN

Upper Limits:
NOT KNOWN

Extinguishing Media:
4 CARBON DIOXIDE,DRY CHEMICAL POWDER,ALCOHOL OR POLYMER FOAM.WATER SPRAY.WATER MAY BE INEFFECTIVE TO EXTINGUISH FIRES.

Fire Fighting Procedures:
SCBA W/ FULL FACEPIECE OPERATED IN PRESS DEMAND OR OTHER POSITIVE PRESS MODE.WEAR PERSONAL PROT TO PVNT CONTACT W/ MATL/COMBUSTION PRODUCTS.COOL CONTRS W/ H2O.

Unusual Fire/Explosion Hazard:
FLASH BACK ALONG VAPOR TRAIL MAY OCCUR,ELIM ALL IGNIT SOURCES.EMITS TOXIC FUMES IN FIRE.VAP FORMS EXPLO MIXTURE W/ AIR W/IN EXPLO LIMITS.HIGH PRESS (SEE SUPP)

Physical/Chemical Properties

HCC:
F1

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:
>80%

Appearance and Odor:
LIQUID

Percent Volatiles by Volume:
>80

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
SENSITIVE TO STATIC DISCHARGE.MERCURIC CYANIDE IS LIGHT SENSITIVE.

Materials To Avoid:
OXIDIZING AGENTS,ACIDS,H2SO4,CHROMIUM TRIOXIDE, HNO3,BASES,REDUCING AGENTS,HCN,FLUORINE,MG,SODIUM NITRITE.

Hazardous Decomposition Products:
OXIDES OF CARBON,NITROGEN AND MERCURY. MERCURY.CYANIDES.

Hazardous Polymerization Indicator:
NO

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

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WARRANTY

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