

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-592/592-01-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

592-01-8

Code:

M

RTECS:

EW0700000

Code:

M

Name:

CALCIUM CYANIDE

Other REC Limits:

N/K 1

OSHA PEL:

N/K

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

5 MG/CUM

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

WEAR A FULL FACEPIECE CHEMICAL CARTRIDGE RESPIRATOR W/A CANISTER SPECIFIC FOR HYDROGEN CYANIDE.

Ventilation:

LOCAL EXHAUST WHERE POSSIBLE.

Protective Gloves:

3 RUBBER

Eye Protection:

N/K

Other Protective Equipment:

Equipment RUBBER BOOTS, FULL LENGTH CLOTHING

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE. MAINTAIN GOOD HOUSEKEEPING TO CONTROL DUST.

Supplemental Safety and Health:

SPECIAL FIRE: EVACUATE & ISOLATE AREA. DON'T HANDLE BROKEN PACKAGE W/O PROTECTIVE EQUIPMENT. WASH AWAY ANY MATERIAL THAT CONTACTED BODY W/COPIOUS AMOUNTS OF WATER/SOAP & WATER. CONTROL RUNOFF WATER. FIRST AID: FOLLOW DIRECTLY W/50 ML OF 25% SOLUTION OF SODIUM THIOSULFATE AT SAME RATE BY SAME ROUTE.

Health Hazards Data

LD50/LC50/Mixture:

ORAL LD50(RATS): 39 MG/KG

Route Of Entry Inds - Inhalation:

NO

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EXTREMELY TOXIC. INGESTION: MAY CAUSE RAPID RESPIRATORY ARREST & DEATH. SKIN/EYES: MAY CAUSE IRRITATION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

IRRITATION.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

2 EYES/SKIN: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15 MINS. BREAK AN AMYL NITRITE PEARL IN CLOTH & HOLD LIGHTLY UNDER NOSE FOR 15 SECS. REPEAT 5 TIMES AT 15 SEC INTERVALS. ALTERNATE AMYL NITRITE INHALATIONS W/GIVING OXYGEN BY MASK. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTE TO PHYS: INJECT INTRAVENOUSLY 10 ML OF 3% SOLUTION OF SODIUM NITRITE AT RATE <2.5-5 ML PER MIN IF NO RESPONSE. (SUPP)

Spill Release Procedures:

WEAR AN APPROVED POSITIVE PRESSURE SCBA. CAREFULLY SWEEP UP IMMEDIATELY & PLACE IN A CLOSED CONTAINER.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN DRY, WELL VENTILATED AREA. REMOVE IGNITION SOURCES FROM VICINITY OF FEEDING EQUIPMENT & AT POINT OF ENTRY OF DRY MATERIAL INTO SOLUTIONS.

Other Precautions:

DON'T HANDLE W/BARE HANDS. ALWAYS HAVE ON HAND A CYANIDE FIRST-AID KIT. REDRUM DAMAGED/PUNCTURED DRUMS. OPEN DRUMS W/NON-SPARKING TOOLS. WEAR ALL-PURPOSE, FULL FACE MASK & IMPERVIOUS CLOTHING, GLOVES & FOOTWEAR WHILE EMPTYING/TRANSFERRING.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

N/R

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

FOAM, CO₂, DRY CHEMICAL.

Fire Fighting Procedures:

WEAR A POSITIVE PRESSURE SCBA & FULL PROTECTIVE CLOTHING. CONDUCT FIRE FIGHTING & RESCUE OPERATIONS FROM UPWIND OF FIRE AREA. (SEE SUPP)

Unusual Fire/Explosion Hazard:

VAPORS FROM FIRE ARE HAZARDOUS. MATERIAL ITSELF DOESN'T BURN/BURNS W/DIFFICULTY. CONTACT W/ACIDS RELEASE FLAMMABLE & TOXIC HYDROGEN CYANIDE GAS.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

N/R

Boiling Point:

N/R

B.P. Text:

N/R

Melt/Freeze Pt:

N/R

M.P./F.P. Text:

184F

Decomp Temp:

N/R

Decomp Text:

N/R

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/R

Spec Gravity:

N/R

VOC Pounds /Gallon:

N/R

PH:

N/R

VOC Grams/Liter:

N/R

Visco

N/P

Evaporation Rate & Reference:

N/R

Solubility in Water:

COMPLETE

Appearance and Odor:

BLACK TO GRAY FLAKES W/FAINT ODOR/BITTER ALMONDS.

Percent Volatiles by Volume:

NONE

Corrosion Rate:

N/R

Conditions To Avoid Polymerization:

N/R

Reactivity Data

Stability Indicator:

N/P

Stability Condition To Avoid:

MOIST AIR & IGNITION SOURCES.

Materials To Avoid:

WATER, ACIDS, STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:

BY THERMAL DECOMPOSITION: HYDROGEN CYANIDE.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

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