

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-506/506-61-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

506-61-6

Code:

M

RTECS:

TT5775000

Code:

M

Name:

POTASSIUM SILVER CYANIDE (SARA III) (78 GM/L)

Other REC Limits:

5 MG CN/M3

OSHA PEL:

0.01 MG AG/M3;CEILIG

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

0.01 MG AG/M3; 9192

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE NIOSH/MSHA APPROVED DUST AND MIST RESPIRATOR. (MFR SUGGESTS 3M NO. 9920)

Ventilation:

USE WITH ADEQUATE LOCAL EXHAUST.

Protective Gloves:

IMPERVIOUS RUBBER. 5

Eye Protection:

CHEMICAL SPLASH GOGGLES

Other Protective Equipment:

Equipment FULL BODY PROTECTION. EYE WASH STATION AND SAFETY SHOWER,

Work Hygienic Practices:

USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID ALL CONTACT WHEN POSSIBLE. WASH THOROUGHLY BEFORE EATING, DRINKING, SMOKING.

Supplemental Safety and Health:

SIFCO HAS JUST OBTAINED RESPONSIBILITY FOR THE MSDS'S AND DO NOT HAVE ACCURATE FIGURES FOR THE PERCENTAGES OF THE HAZARDOUS MATERIALS. THESE ARE APPROXIMATE. SIFCO IS SENDING ANOTHER MSDS AS SOON AS IT HAS BEEN UPDATED, APPROXIMATELY MAY/JUNE 93.

Health Hazards Data

LD50LC50Mixture:

LD50 (ORAL RAT) IS 6.44 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

HIGHLY TOXIC. MAY BE INHALED AS GAS OR DUST, INGESTED, OR ABSORBED THROUGH SKIN, ESPECIALLY THROUGH CUTS. ALSO IS CORROSIVE AND SEVERELY IRRITATING TO BODY TISSUES WHEN IN NON-TOXIC QUANTITIES. MAY CAUSE A "CYANIDE RASH".

Explanation Of Carcinogenicity:

THE PRODUCT CONTAINS NO INGREDIENT THAT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:

GENERAL WEAKNESS, DIFFICULTY IN BREATHING, CYANOSIS, NOSE BLEED, HEADACHE, DIZZINESS, NAUSEA, VOMITING, TACHYCARDIA, COMA AND RESPIRATORY ARREST RESULTING IN DEATH.

Medical Cond Aggravated By Exposure:

NO INFORMATION GIVEN ON MSDS BY MFR.

First Aid:

SPEED IS ESSENTIAL! **CALL A PHYSICIAN IMMEDIATELY!** EYE/SKIN CONTACT: FLUSH W/LARGE AMOUNT WATER FOR AT LEAST 15 MIN. INGESTED: BREAK AMYL NITRATE INHALER AND HOLD UNDER NOSE FOR 15 SECONDS. ** DO NOT GIVE MOUTH TO MOUTH RESPIRATION.** INDUCE VOMITING AND KEEP VICTIM QUIET! DO NOT ADMINISTER ANYTHING TO AN UNCONSCIOUS PERSON! MFR SPECIFIED I.V. TREATMENT BY DOCTOR FOR CYANIDE POISONING.

Spill Release Procedures:

VENTILATE AREA. WEAR FULL BODY PROTECTION. ABSORB WITH INERT MATERIAL AND SAVE FOR PRECIOUS METALS RECLAIM. DO NOT FLUSH TO SEWER OR DRAIN! DO NOT NEUTRALIZE OR ALLOW TO COME IN CONTACT WITH ACIDS!

Neutralizing Agent:

DO NOT NEUTRALIZE!

Waste Disposal Methods:

DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS. 4

Handling And Storage Precautions:

STORE IN AIR TIGHT CONTAINERS IN A COOL, DRY, WELL VENTILATED AREA. KEEP AWAY FROM ACIDS.

Other Precautions:

1. IMMEDIATELY FLUSH CONTAMINATED CLOTHING WITH WATER, REMOVE AND LAUNDER THEM BEFORE REUSE. 2. MONITOR CYANIDE LEVELS REGULARLY. 3. PROPERLY TRAIN ALL EMPLOYEES HANDLING THIS MATERIAL.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

"N/A"

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

"N/A"

Upper Limits:

"N/A"

Extinguishing Media:

WATER FOG, DRY CHEMICAL, HALON 211. **DO NOT USE CARBON DIOXIDE (CO2)!**

Fire Fighting Procedures:

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:

HIGHLY TOXIC FLAMMABLE HYDROGEN CYANIDE GAS IS RELEASED BY CONTACT WITH CARBON DIOXIDE AND ACIDS. CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Physical/Chemical Properties

T2:

T2

NP/State IIC No:

N/A

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

212F, 100C

Melt/Freeze Pt:

M.P./F.P. Text:

UNKNOWN

Decomp Temp:

Decomp Text:

UNKNOWN

Vapor Pres:

"N/A"

Vapor Density:

"N/A"

Volatile Org Content %:

Spec Gravity:

1.2

PH:

11.2

VOC Grams/Liter:

Viscosity:

N/P

Evaporation Rate & Reference:

"N/A"

Solubility in Water:

COMPLETE/WATER

COMPLETE/WATER

Appearance and Odor:

WATER-WHITE SOLUTION, NO ODOR 6

Percent Volatiles by Volume:

"N/A"

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

"N/A"

Materials To Avoid:

ACIDS; OXIDIZING AGENTS SUCH AS NITRATES, CHLORATES AND PEROXIDES.

Hazardous Decomposition Products:

GAS (HIGHLY TOXIC)

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

"N/A"

Toxicological Information

Information:

N/P

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

Information:

N/P

Information:

N/P

Information:

N/P

Information:

N/P

Information:

N/P

Information:

N/P

Information: