

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-542/542-62-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

542-62-1

Code:

M

RTECS:

CQ8785000

Code:

M

Name:

BARIUM CYANIDE (SARA III)

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

0.5 MG SOLUBLE BA/M3

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

0.5 MG BA/M3; 9293

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:

LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION.

Protective Gloves:

IMPERVIOUS GLOVES

Eye Protection:

SPLASH PROOF OR DUST RESISTANT GOGGLES

Other Protective Equipment:

Equipment IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.

Work Hygienic Practices:

WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health:

NONE SPECIFIED BY MANUFACTURER.

Health Hazards Data

LD50/LC50 Mixture:

LC50 3403 PPM/1 MIN IN HUMANS

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

DEATH, CENTRAL NERVOUS SYSTEM DEPRESSION, UNCONSCIOUSNESS, DEATH, DERMATITIS, CONJUNCTIVITIS, EYE IRRITATION, SKIN IRRITATION, CARDIAC AND RESPIRATORY FAILURE, GASTROINTESTINAL TRACT INJURY, KIDNEY INJURY.

Explanation Of Carcinogenicity:

PRODUCT CONTAINS NO INGREDIENTS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Signs And Symptoms Of Overexposure:

DEA, RAPID RESPIRATION, VOMITING, FLUSHING OF THE FACE, UNCONSCIOUSNESS, DEATH IN CONVULSIONS, CARDIAC AND RESPIRATORY FAILURE, HEMORRHAGES IN THE GASTROINTESTINAL TRACT AND KIDNEYS, HEADACHE, WEAKNESS, SHORTNESS OF BREATH, RAPID PULSE, EYE REDNESS/PAIN, BLURRED VISION.

Medical Cond Aggravated By Exposure:

PERSONS WITH CHRONIC RESPIRATORY, CARDIOVASCULAR OR SKIN DISEASE MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:

INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED; OXYGEN IF AVAILABLE. GET IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION DURING VOMITING.

Spill Release Procedures:

CONTAIN MATERIAL. COVER WITH PLASTIC SHEET TO PREVENT DISSOLVING IN RAIN OR FIREFIGHTING WATER. DO NOT TOUCH SPILLED MATERIAL. TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS.

Neutralizing Agent:

SODIUM SULFIDE SOLUTION TO PRECIPITATE HEAVY METALS.

Waste Disposal Methods:

PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:

NONE SPECIFIED BY MANUFACTURER.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NONFLAMMABLE

Autoignition Temp:

N/K

Autoignition Temp Text:

N/K

Lower Limits:

NOT GIVEN

Upper Limits:

NOT GIVEN

Extinguishing Media:

DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR STANDARD FOAM

Fire Fighting Procedures:

FIRE-FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE.

Unusual Fire/Explosion Hazard:

FIGHT FIRE FROM MAXIMUM DISTANCE. STAY AWAY FROM STORAGE TANK ENDS. DO NOT SCATTER MATERIAL. AVOID BREATHING VAPORS AND DUSTS. KEEP UPWIND.

Physical/Chemical Properties

HCC:

T2

NRC/State Lic No:

N/P

Net Prop WT For Ammo:

N/P

Boiling Point:

N/P

B.P. Text:

NOT GIVEN

Melt/Freeze Pt:

N/P

M.P./F.P. Text:

DECOMPOSES

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

NOT GIVEN

Vapor Density:

NOT GIVEN

Volatile Org Content %:

N/K

Spec Gravity:

NOT GIVEN

VOC Pounds/Gallon:

N/K

PH:

N/K

VOC Grams/Liter:

N/K

Viscosity:

N/P

N/P

N/P

Evaporation Rate & Reference:

NOT GIVEN

Solubility in Water:

APPRECIABLE

APPRECIABLE

Appearance and Odor:

WHITE CRYSTALLINE SOLID

Percent Volatiles by Volume:

N/K

Volatile Org Content %:

N/K

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

NO

Stability Decomposes To Avoid:

N/P

Materials To Avoid:

N/P

Hazardous Decomposition Products:

DECOMPOSES READILY TO FORM HIGHLY TOXIC AND FLAMMABLE HYDROGEN CYANIDE.

Hazardous Polymerization Indicator:

YES

Conditions To Avoid Polymerization:

HYDROGEN CYANIDE WHICH MAY POLYMERIZE EXPLOSIVELY AT 184°C IN THE PRESENCE OF WATER/ALKALI.

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: