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## **CYANOGAS CALCIUM CYANIDE**

### **MSDS Number**

BBLFW

### **National Stock Number**

6810-00F002562

### **Product Name**

CYANOGAS CALCIUM CYANIDE

### **Manufacturer**

AMERICAN CYANAMID CO CYTEC INDUSTRIES DIV

### **Product Identification**

Product ID: CYANOGAS CALCIUM CYANIDE

MSDS Date: 12/13/1984

FSC: 6810

NIIN: 00F002562

MSDS Number: BBLFW

### **Responsible Party**

AMERICAN CYANAMID CO CYTEC INDUSTRIES DIV

5 GARRET MOUNTAIN PLZ

WEST PATERSON , NJ 07424-5000

US

Emergency Phone: 201-357-3100/201-652-6013

Info Phone: 201-357-3100/201-652-6013

Cage: 83289

### **Contractor**

AMERICAN CYANAMID CO CYTEC INDUSTRIES DIV CHEMICAL LIGHT

LITTLE FALLS, NJ 07424

US

201-831-2000/201-357-3100

Cage: 83289

### **Ingredients**

CALCIUM CYANIDE

CAS: 592-01-8

RTECS: EW0700000

Fraction By Weight: 42%

ACGIH TLV: 5 MG/CUM

CALCIUM OXIDE; LIME

CAS: 1305-78-8

RTECS: EW3100000

Fraction By Weight: 12%

OSHA PEL5 MG/CUM

ACGIH TLV: 2 MG/CUM



CALCIUM FLUORIDE, FLUORSPAR, CALCIUM DIFLUORIDE, IRTRAN 3,

CAS: 7789-75-5

RTECS: EW1760000

Fraction By Weight: 0.5%

OSHA PEL2.5 MG/CUM (AS F)

ACGIH TLV: 2.5 MG/CUM (AS F)

## Hazards

LD50 LC50 Mixture:ORAL LD50(RATS): 39 MG/KG

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES

Reports of Carcinogenicity: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

Effects of Overexposure:IRRITATION.

## First Aid

First Aid: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

## Fire Fighting

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 TSELF DOESN'T BURN/BURNS W/DIFFICULTY. CONTACT W/ACIDS RELEASE FLAMMABLE & TOXIC HYDROGEN CYANIDE GAS.

## Accidental Release

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

## Handling

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.

## Exposure Controls

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

Ventilation:LOCAL EXHAUST WHERE POSSIBLE.

Protective Gloves:RUBBER

Other Protective 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. F

IRST AID: FOLLOW DIRECTLY W/50 ML OF 25% SOLUTION OF SODIUM THIOSULFATE AT SAME RATE BY SAME ROUTE.

## Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:1184F



Solubility in Water: COMPLETE  
Appearance and Odor: BLACK TO GRAY FLAKES W/FAINT ODOR/BITTER ALMONDS.  
Percent Volatiles by Volume: NONE

### **Stability**

Stability Indicator/Materials to Avoid: YES  
WATER, ACIDS, STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid: MOIST AIR & IGNITION SOURCES.  
Hazardous Decomposition Products: BY THERMAL DECOMPOSITION: HYDROGEN  
CYANIDE.

### **Disposal**

Waste Disposal Methods: DISPOSE OF IAW/FEDERAL, STATE & LOCAL  
REGULATIONS.

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