

SPECTRUM CHEMICAL MFG CORP. -- POTASSIUM CYANIDE ACS CRYSTAL FORM --  
6810-00-237-2910

===== Product Identification =====

Product ID:POTASSIUM CYANIDE ACS CRYSTAL FORM

MSDS Date:02/01/1994

FSC:6810

NIIN:00-237-2910

MSDS Number: BDLXL

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248

Country:US

Info Phone Num:213-5

16-8000

Emergency Phone Num:213-516-8000/800-424-9300(CHEMTREC)

Preparer's Name:C.A. EISENHARD

CAGE:63415

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Phone:310-516-8000/FAX: 310-516-9843

CAGE:63415

===== Compositio

n/Information on Ingredients =====

Ingred Name:POTASSIUM CYANIDE (SARA III)

CAS:151-50-8

RTECS #:TS8750000

Fraction by Wt: 100%

OSHA PEL:5 MG/M3 (CN)

ACGIH TLV:S, 5 MG/M3 (CN);9192

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 5 MG/KG (RTECS).

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:T

ARGET ORGANS:EYES, SKIN, CNS,

RESPIRATORY & GI TRACTS. ACUTE- HIGHLY TOXIC BY INGESTION (250 MG ADULT LETHAL DOSE). CAN BE ABSORBED THROUGH SKIN. CYANIDE PREVENTS CELLS FROM USING OXYGEN. CAUSES HEAD ACHE, DIZZINESS, WEAK HEARTBEAT, UNCONSCIOUSNESS, COMA, DEATH. IRRITATING & CORROSIVE TO TISSUE/EYES. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, TEARING, BLURRING OF VISION, NAUSEA, HEADACHE, DIZZINESS, VOMITING, WEAKNESS, INEFFE

CTIVE

BREATHING, WEAK & IRREGULAR HEARTBEATS, UNCONSCIOUSNESS, COMA, DEATH

===== First Aid Measures =====

First Aid:GET MEDICAL HELP IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE AMYL NITRITE PEARL, CPR AND OXYGEN. ORAL:IF CONSCIOUS, DRINK 1 PINT OF 1% SODIUM THIOSULFATE SOLUTION. INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.

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===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:COOL CONTAINER WITH WATER. DO NOT USE CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY OR REGULAR FOAM.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE. FIGHT FIRE FROM MAXIMUM DISTANCE.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FIRE. MAY BURN BUT DOES NOT IG

NITE READILY. CONTAINERS MAY  
EXPLODE.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE CLOTHING AND RESPIRATORY  
EQUIPMENT SUITABLE FOR TOXIC DUSTS. SWEEP, SCOOP OR PICK UP SPILLED  
MATERIAL. AVOID DUST DISPERSAL. PACKAGE FOR LATER DISPOSAL. KEEP  
SPILLAGE DRY. WASH SPILL AREA WITH A DILUTE SOLUTION OF NA/CA  
HYPOCHLORITE.

Neutralizing Agent:SODIUM OR CALCIUM HYPOCHLORITE OR HYDROGEN PEROXIDE

===== H  
andling and Storage =====

Handling and Storage Precautions:STORE IN PROPERLY LABELED CONTAINERS  
IN DRY, VENTILATED, SECURED AREAS. KEEP CONTAINERS CLOSED &  
CONTENTS DRY. KEEP AWAY FROM MOISTURE & INCOMPATIBLES

Other Precautions:HIGHLY TOXIC. KEEP OUT OF REACH OF CHILDREN. AVOID  
INHALATION OR INGESTION OF THIS MATERIAL. AVOID EYE OR SKIN  
CONTACT. DO NOT HANDLE OR STORE FOOD OR DRINK IN CYANIDE AREAS.  
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINK  
ING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR NIOSH-APPROVED TOXIC DUST AND MIST  
RESPIRATORS. USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS  
OR AIR SUPPLIED RESPIRATOR FOR EMERGENCIES.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE PROVIDED TO KEEP DUST,  
MIST, AND HCN GAS BELOW EXPOSURE LIMITS.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:

EYE WASH STATION, SAFETY SHOWER, RUBBER  
SUITS, APRON AND BOOTS

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

FIRST AID AND MEDICAL TREATMENT SUPPLIES:ALWAYS HAVE 2 DOZEN OF AMYL  
NITRATE PEARLS ON HAND. REPLACE ANNUALLY. TWO 10 ML STERILE AMPULES  
OF SODIUM NITRITE SOLUTION(3%). TWO 50 ML (25%) STERILE SOLUTION  
OF SODIUM THIOSULFATE. TWO 1-PINT BOTTLES O

F 1% SODIUM THIOSULFATE  
SOLUTION. ONE 10 ML AND ONE 50 ML STERILE SYRINGES.

===== Physical/Chemical Properties =====

HCC:T2  
NRC/State Lic Num:NOT RELEVANT  
Melt/Freeze Pt:M.P/F.P Text:1173F,634C  
Vapor Pres:NEGLIGIBLE  
Vapor Density:2.2  
Spec Gravity:1.52  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:NOT RELEVANT  
Solubility in Water:71.6% @ 77F  
Appearance and Odor:WHITE CRYSTALS - FAINT ALMOND ODOR  
Percent Volatiles by Volume:0

===== Stabilit  
y and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS, ACIDS (HIGHLY TOXIC, FLAMMABLE HYDROGEN CYANIDE),  
CHLORATES, NITRATES, AMMONIA, WATER  
Stability Condition to Avoid:EXCESSIVE HEAT, MOISTURE  
Hazardous Decomposition Products:CYANIDES, CYANIC ACID

===== Disposal Considerations =====

Waste Disposal Methods:COMPLY WITH LOCAL, STATE AND FEDERAL  
REGULATIONS. DO NOT FLUSH CYANIDE INTO SEWERS WHICH MAY CONTAIN  
AN  
ACID. DETOXYFY WITH SODIUM HYPOCHLORITE OR HYDROGEN PEROXIDE; FLUSH  
TO WASTE WATER TREATMENT SYS TEM; OR CALL A LICENSED DISPOSAL  
CONTRACTOR.

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