

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-

516-8000

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

===== Compositi

on/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:
TARGET 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, INEFF
ECTIVE
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.

===== 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 I

GNITE 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

===== Handling 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 DRINKING.

===== 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

OF 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

===== Stabili
ty 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. DETOXIFY WITH SODIUM HYPOCHLORITE OR HYDROGEN PEROXIDE; FLUSH
TO WASTE WATER TREATMENT SYSTEM; OR CALL A LICENSED DISPOSAL
CONTRACTOR.

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