

SPECTRUM CHEMICAL MANUFACTURING CORP. -- POTASSIUM CYANIDE ACS CRYSTAL FORM --  
6810-00-247-0598

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

Product ID:POTASSIUM CYANIDE ACS CRYSTAL FORM

MSDS Date:01/01/1991

FSC:6810

NIIN:00-247-0598

MSDS Number: BPMQH

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MANUFACTURING CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-2027

Countr

y:US

Info Phone Num:213-516-8000

Emergency Phone Num:800-424-9300

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

===== Composi

tion/Information on Ingredients =====

Ingred Name:CYANIDES (SOLUBLE SALTS AND COMPLEXES) (SARA III)  
CAS:57-12-5  
RTECS #:GS7175000  
Fraction by Wt: 38-40%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG CN/M3  
ACGIH TLV:S, 5 MG/M3; 9293  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM  
CAS:7440-09-7  
RTECS #:TS6460000  
Fraction by Wt: 60-62%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:250 MG ADULT LET  
HAL DOSE.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:HIGHLY POISONOUS BY INGESTION.

ABSORBED BY THE BODY THROUGH THE SKIN. CYANIDE PREVENTS CELLS OF  
THE BODY FROM USING OXYGEN. CAUSES PROFUSE INEFFECTIVE BREATHING  
AND NAUSEA FOLLOWED BY WEAK, IRREGULAR HEARTBEAT, UNCONSCIOUSNESS,  
COMA AND DEATH. ON CONTACT IRRITATING AND CORROSIVE TO TISSUE.

Explanation of Carcinogenicity:THIS COM  
POUND CONTAINS NO INGREDIENTS AT

CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.

Effects of Overexposure:CAUSES HEADACHE, DIZZINESS, WEAKNESS.

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

First Aid:EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER & SEEK MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING & FLUSH SKIN WITH  
LARGE AMOUNTS OF WTAER. GET MEDICAL ATTENTION. INHALATION: REMOVE  
TO FRESH AIR. GIVE ARTIFICIAL RESPIRA

TION IF NEEDED.GIVE OXYGEN IF

AVAILABLE. GET IMMEDIATE MEDICAL ATTENTION. INGESTION: GIVE CONSCIOUS VICTIM 1 PINT OF 1% SODIUM THIOSULFATE SOLUTION, INDUCE VOMITING, SEE DOC.

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

Flash Point:NON-FLAMMABLE

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:COOL CONTAINERS WITH WATER. DO NOT USE CARBON DIOXIDE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED

BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:CONTACT WITH ACIDS FORMS HIGHLY TOXIC FLAMMABLE HYDROGEN CYANIDE GAS.

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

Spill Release Procedures:PROVIDE VENTILATION, WEAR PROTECTIVE EQUIPMENT. PLACE INTO DOT CONTAINERS. DECONTAMINATE MINOR SPILLS WITH HYPOCHLORITE SOLUTION.

Neutralizing Agent:HYPOCHLORITE SOLUTION.

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===== Handling and Storage =====

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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA IN AIR-TIGHT CONTAINERS, AWAY FROM ACIDS AND OXIDIZERS. ABSORBS CARBON DIOXIDE & WATER FROM AIR.

Other Precautions:WASH THOROUGHLY AFTER HANDLING. WORKERS MUST EXERCISE METICULOUS HYGENIC PRACTICES.

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

Respiratory Protection:CANISTER-TYPE RESPIRATOR SUITABLE FOR HYDROGEN CYANIDE OR SELF-CONTAINED BREATHING EQUIPMENT.

Ventilation:LOCAL

EXHAUST: LOCAL. MECHANICAL(GENERAL) EXHAUST: PROCESS  
ENCLOSED VENTILATION.

Protective Gloves:IMPERVIOUS.

Eye Protection:SAFETY GOGGLES/FULL FACEPIECE RESPIRATOR

Other Protective Equipment:IMPERVIOUS.

Work Hygienic Practices:EYE WASH FOUNTAIN, QUICK DRENCH SHOWER.

Supplemental Safety and Health

NONE

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

HCC:T2

Melt/Freeze Pt:M.P/F.P Text:1173F,634C

Vapor Pres:NEGL

Vapor Density:2.2

Spec Gravity:1.52

pH:NA

Solubility in Water:2

5C 71.6

Appearance and Odor:WHITE CRYSTALS FAINT, ALMOND ODOR.

Percent Volatiles by Volume:UNK

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

FORMS EXPLOSIVES WITH CHLORATES, NITRATES, NITROGEN, NITROGEN  
TRICHLORIDE, AMMONIA, WATER, CORROSIVE AND OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CYANIDES, CYANIC ACID.

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

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Waste Disposal Methods:CONTACT YOUR DISTRICT DIRECTOR OF TYE EPA FOR  
PROPER DISPOSAL PROCEDURES.

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