

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

Count

ry: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

===== Compos

ition/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 LE  
THAL 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 CO

MPOUND 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 RESPIR

ATION IF NEEDED.GIVE OXYGEN IF  
AVALIABLE. GET IMMEDIATE MEDICAL ATTENTION. INGESTION: GIVE  
CONSCIOUS VICTIM 1 PINT OF 1% SODIUM THIOSULFATE SOLUTION, INDUCE  
VOMITING, SEE DOC.

===== 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-CONT  
AINED  
BREATHING APPARATUS AND FULL PROTECTIVE GEAR.  
Unusual Fire/Explosion Hazard:CONTACT WITH ACIDS FORMS HIGHLY TOXIC  
FLAMMABLE HYDROGEN CYANIDE GAS.

===== 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.

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

===

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.

===== 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:

25C 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 =====

=====

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

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent profess

ional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.