

CITY CHEMICAL CORPORATION -- 60180 POTASSIUM CYANIDE -- 6810-00-237-2910

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Product Identification  
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Product ID:60180 POTASSIUM CYANIDE

MSDS Date:08/28/1996

FSC:6810

NIIN:00-237-2910

MSDS Number: CFCSB

=== Responsible Party ===

Company Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY (FORMALLY IN NEW YORK, NY)

State:NJ

ZIP:07310

Country:US

Info Phone Num:201-653-6900

/FAX -4468

Emergency Phone Num:201-653-6900/800-424-9300(CHEMTREC)

CAGE:83628

=== Contractor Identification ===

Company Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-248-2436

CAGE:83628

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Composition/Information on Ingredients  
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Ingred Name:POTASSIUM CYANIDE (SARA 302/313) (CERCLA)

CAS:151-50-8

RTECS #:TS8750000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG(CN)/M3

ACG

IH TLV:S, 5 MG(CN)/M3; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:ORAL LD50 RAT:5MG/KG

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

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

Health Hazards Acute and Chronic:MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. CAN CAUSE SKIN IRRITATION & SEVERE EYE IRRITATION. EXPOSURE MAY CAUSE NAUSEA, DIZZINESS, HEADACHE, LUNG

IRRITATION, CYANOSIS, CNS DEPRESSION. TARGET ORGANS: CNS, BLOOD, HEART.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:SKIN-IRRITATION. EYES-SEVERE IRRITATION.

INHALED/SWALLOWED/SKIN ABSORBED-CYANOSIS, NAUSEA, DIZZINESS, HEADACHE, CNS DEPRESSION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN ALL CASES GET IMMEDIATE EMERGENCY MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER THEN WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-WASH OUT MOUTH IF CONSCIOUS.

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

Extinguishing Media:APPROPRIATE FOAM. DO NOT USE CARBON DIOXIDE EXTINGUISHER ON THIS MATERIAL.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR. PREVENT CONTACT WITH EYES. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:EVACUATE AREA. WEAR SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG & HOLD FOR HAZARDOUS WASTE DISPOSAL. AVOID R

AISSING DUST. VENTILATE AREA & WASH SPILL SITE  
AFTER MATERIAL PICKUP I S COMPLETE.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP TIGHTLY CLOSED.AIR & MOISTURE SENSITIVE.STORE IN A DRY AREA.KEEP AWAY FROM INCOMPATIBLE MATERIALS.DO NOT BREATH DUST.AVOID SKIN & EYE CONTACT.  
Other Precautions:DISPOSAL CONT'D: ADDITIONAL EQUIVALENTS OF HYPOCHLORITE MAY BE NEEDED IF THE REACTION SHOULD BE CARRIED OUT UNDER NITROGEN. OBSERVE ALL LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ONLY IN CHEMICAL FUME HOOD.

Protective Gloves:CHEM-RESISTANT GLOVES-NEOPRENE, PVC.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:WEAR OTHER PROTECTIVE CLOTHING. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

FIREFIGHT:DIRECT CONTACT OF MATERIAL W/WATER/STEAM WILL CAUSE DECOMPOSITION, LIBERATING HIGHLY TOXIC HYDROGEN CYANIDE GAS & HIGHLY HAZARDOUS SOLUTION OF DISSOLVED CYANIDE WHICH MUST BE KEPT OUT OF SEWERS/WATERCOURSES. CYANIDE FORMS EXPLOSIVE MIXTURE SPONTANEOUS W/CHLORATES,NITRATES,NITROGEN TRICHLORIDE PLUS AMMONIA.

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

HCC:T2

Melt/Freeze Pt:M.P/F.P Text:1174F,635C

Spec Gravity:1.520

Appearance and Odor:WHITE GRANULAR POWDER.

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS. AVOID CONTACT

CT WITH ACID.

Stability Condition to Avoid:MAY DECOMPOSE ON EXPOSURE TO MOIST AIR OR WATER. ABSORBS CARBON DIOXIDE FROM AIR.

Hazardous Decomposition Products:TOXIC FUMES OF HYDROGEN CYANIDE, CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES.

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

Waste Disposal Methods:TREAT DILUTE BASIC SOLUTION (PH9-10) W/50% EXCESS OF COMMERCIAL LAUNDRY BLEACH. LET STAND OVERNIGHT. CAUTIOUSLY ADJUST PH TO 7. FILTER ANY SOLIDS FOR

BURIAL IN A

CHEMICAL LANDFILL. PRECIPITATE HEAVY METALS W/ADDS OF SULFIDE & ISOLATE FOR BURIAL.

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