

J.T.BAKER CHEMICAL CO. -- POTASSIUM CYANIDE -- 6810-00-247-0598

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Product Identification  
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Product ID:POTASSIUM CYANIDE

MSDS Date:08/28/1986

FSC:6810

NIIN:00-247-0598

MSDS Number: BJFCT

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:201-859-2151

Emergency Phone Num:800-424-9300(CH

EMTREC)/201-859-2151

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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Composition/Information on Ingredients  
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Ingred Name:POTASSIUM CYANIDE (SARA III)

CAS:151-50-8

RTECS #:TS87

50000  
Fraction by Wt: 90-100%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3 (CN)  
ACGIH TLV:S, 5 MG/M3 (CN);9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 10 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION OF DUST WILL CAUSE  
RESPIRATORY TRACT IRRITATION & MAY BE FATAL. D  
USTS WILL IRRITATE,  
BURN & DAMAGE THE EYES. DUST WILL CAUSE SKIN IRRITATION & RASH.  
FATAL AMOUNTS CAN BE ABSORBED THROUGHTH THE SKIN. SWALLOWING CAN  
CAUSE DEATH. CHRONIC: LOSS OF APPETITE, HEADACHE, WEAKNESS, NAUSEA,  
DIZZINESS & IRRITATION  
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,  
OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYE, SKIN & RESPIRATORY TRACT IRRITATION.  
PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN ITCHING RASH  
CHARACTERIZED BY MACULAR, POPULAR, AND VESICULAR ERUPTIONS USUALLY  
FOLLOWED BY SECONDARY INFECTION. CAN CAUSE DEATH THROUGH CHEMICAL  
ASPHYXIA. MAY CAUSE HEADACHE, WEAKNESS, NAUSEA, DIZZINESS AND LOSS  
OF APPETITE.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:PLAN & PRACTICE ACTIONS TO BE TAKEN IN CASE OF CYANIDE  
EXPOSURE BEFORE BEGINNING WORK WITH CYANIDES. IMMEDIATELY GIVE  
VICTIM  
OXYGEN AND AMYL NITRITE WHILE WAITING FOR INTRAVENOUS  
INJECTIONS FROM MEDICAL PERSONNEL. INHALATION: REMOVE TO FRESH  
AIR/CPR. EYE: FLUSH WITH PLENTY OF WATER. SKIN: REMOVE CONTAMINATED  
CLOTHING & WASH SKIN. INGESTION: INDUCE VOMITING. \*KEEP CYANIDE  
ANTIDOTE KIT ON HAND.

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Fire Fighting Measures  
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Extinguishing Media:USE WATER FOG, FOAM, OR DRY CHEMICAL. DO NOT USE  
CARBON DIOXIDE.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NI

OSH APPROVED SCBA &

FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT & SCBA. SMALL SPILL: SWEEP UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. LARGE SPILL: SHOVEL INTO DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS, AND SOIL. KEEP SPILLAGE DRY. Neutralizing Agent:FLUSH RESIDUE WITH DILUTE SOLUTION OF SODIUM HYPOCHLORITE OR HYDROGEN PEROXIDE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT STORE NEAR ACIDS, OXIDIZERS, FLAMMABLES OR FOODS. Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF USE CONDITIONS GENERATE DUSTS, WEAR A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EMISSION LEVELS. RESPIRATORS MAY BE A FULL FACEPIECE AIR-PURIFYING CARTRIDGE RESPIRATOR WITH PARTICULATE FILTERS, A SCBA, OR SUPPLIED-AIR RESPIRATOR. Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MINIMIZING DUST EMISSIONS AT THE POINT OF USE. Protective Gloves:RUBBER GLOVES Eye Protection:SAFETY CHEM GOGGLES OR FULL-FACE SCBA Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. FIRST AID AND MEDICAL TREATMENT SUPPLIES INCLUDING OXYGEN RESUSCITATORS. Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR. Suppleme

ntal Safety and Health

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

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

HCC:T2

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

Vapor Density:2.2

Spec Gravity:1.52

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE, GRANULAR POWDER WITH THE ODOR OF HCN.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, WATER OR AMMONIA.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:POISONOUS HCN AND OXIDES OF NITROGEN.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES AND ARE SUBJECT TO PROPER WASTE DISPOSAL REQUIREMENTS.

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