

FISHER SCIENTIFIC, CHEMICAL DIV. -- POTASSIUM CYANIDE -- 6810-00-237-2910

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

Product ID:POTASSIUM CYANIDE

MSDS Date:05/15/1989

FSC:6810

NIIN:00-237-2910

MSDS Number: BHKXL

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-

7100 OR 201-796-7523

Preparer's Name:GASTON L.PILLORI

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:POTASSIUM CYANIDE (SARA III)

CAS:151-50-8

RTECS #:TS8750000

Fraction by Wt: >95.0%

OSHA PEL:5 MG/M3 (CN)

ACGIH TLV:S, 5 MG/M3 (CN);9192

EPA Rpt Qty:10 LBS

DOT

Rpt Qty:10 LBS

Ingred Name:OTHER COMPONENTS (TYPE NOT SPECIFIED)
Fraction by Wt: BALANCE

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 10.0 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. DUSTS WILL IRRITATE,
BURN & DAMAGE THE EYES. DUST WILL CA
USE SKIN IRRITATION & RASH.
FATAL AMOUNTS CAN BE ABSORBED THROU GH THE SKIN. SWALLOWING CAN
CAUSE DEATH. CHRONIC: LOSS OF APPETITE, HEADACHE, WEAKNESS, NAUSEA,
DIZZINESS & IRRITATION
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYE, SKIN & RESPIRATORY TRACT IRRITATION.
PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN ITCHING RASH
CAHRACTERIZED BY MACULAR, POPULAR, AND VESICULAR ERUPTIONS USUALLY
FOLLOWED BY SECONDARY INFECTI ON. CAN CAUSE DEATH THROUGH CHEM
ICAL
ASPHYXIA. MAY CAUSE HEADACHE, WEAKNESS, NAUSEA, DIZZINESS AND LOSS
OF APPETITE.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE CENTRAL NERVOUS SYSTEM MAY HAVE INCREASED
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

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 MEDIC AL PERSONNEL. INHALATION: REMOVE TO FRESH
AIR/CPR. EYE: FLUSH WITH PLENTY OF WATER. SKIN: REMOVE CONTAMINATED
CLOTHING & WASH SKIN. INGESTION: GIVE 1% SODIUM THIOSULFATE
SOLUTION & INDUCE VOMITING.

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

Flash Point:NONE
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER
FOG.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE

NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO COOL NEARBY
CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:NON-COMBUSTIBLE,BUT REACTS WITH
ACIDS,GIVES TOXIC AND HIGHLY FLAMMABLE HYDROGEN CYANIDE GAS.
CONTAINERS MAY EXPLODE WHEN EXPOSED TO HIGH HEAT.

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

Spill Release Procedures:ISOLATE AREA. CONTAIN SPILL. WEAR PROTECTIVE
EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS. SWEEP UP
AND
DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS,
STORM DRAINS, SURFACE WATER S, 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.

===== 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 S CBA, 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. DO NOT
EAT, DRNK, OR SMOKE NEAR AREA OF USE. DO NOT WEAR CONTAMINATED
CLOTH

ING.
Supplemental 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
Boiling Pt:B.P. Text:2957F,1625C
Melt/Freeze Pt:M.P/F.P Text:1175F,635C
Spec Gravity:1.5
pH:11.0
Solubility in Water:APPRECIABLE
Appearance and Odor:WHITE CRYSTALS,ALMOND ODOR WHEN MOIST,NOT A GOOD
WARNING PRO
PERTY.

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS, ACIDS, HALOGENS AND HALOGENATED COMPOUNDS. ALUMINUM,
METAL SALTS.
Stability Condition to Avoid:HIGH TEMPERATURES
Hazardous Decomposition Products:POISONOUS HYDROGEN CYANIDE AND AMMONIA
GASES.

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

Waste Disposal Methods:CONTACT LOCAL ENVIRONMENTAL MANAGER. DISPOSAL
SHOULD BE MADE IN A
CCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND
LOCAL LAWS AND REGULATIONS. NOTE: EMPTY CONTAINERS CAN HAVE
RESIDUES AND ARE SUBJECT T O PROPER WASTE DISPOSAL REQUIREMENTS.

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