

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

DO

T 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 C

AUSE SKIN IRRITATION & RASH.

FATAL AMOUNTS CAN BE ABSORBED THROUGH 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
CHARACTERIZED BY MACULAR, POPULAR, AND VESICULAR ERUPTIONS USUALLY
FOLLOWED BY SECONDARY INFECTION. CAN CAUSE DEATH THROUGH CHE

MICAL

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 OXYGE

N 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: 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 CLOT

HING.

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 PROPERTY.

===== 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

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.

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