

POTASSIUM CYANIDE

MSDS Number

BBDGW

National Stock Number

6810-00D000754

Product Name

POTASSIUM CYANIDE

Manufacturer

HACH CO

Product Identification

Product ID:POTASSIUM CYANIDE

MSDS Date:08/08/1991

FSC:6810

NIIN:00D000754

MSDS Number: BBDGW

Responsible Party

HACH CO.

100 DAYTON RD.

AMES , IA 50010

US

Emergency Phone: 800-227-4224 OR 303-623-5716

Info Phone: 800-227-4224/303-669-3050

Cage: 91224

Contractor

HACH COMPANY

907

AMES, IA 50010

US

800-227-4224

Cage: 4T252

Ingredients

POTASSIUM CYANIDE (SARA III)

CAS: 151-50-8

RTECS: TS8750000

Fraction By Weight: >96.5%

OSHA PEL5 MG/M3 (CN)

ACGIH TLV: S, 5 MG/M3 (CN);9293

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50 (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- THIS PRODUCT MAY BE CORROSIVE

TO EYES, WET SKIN AND RESPIRATORY TRACT. SUPER TOXIC. TARGET ORGAN IS BRAIN. CHRONIC- EXTREMELY TOXIC. CAN BE ABSORBED THOROUGH THE SKIN. TARGET ORGAN: CENTRAL NERVOUS SYSTEM.

Effects of Overexposure:MAY BE RAPIDLY FATAL. INHALATION AND INGESTION MAY CAUSE CYANOSIS. SYMPTOMS MAY INCLUDE HEADACHE, ANXIETY, CONFUSION, IRREGULAR PULSE, COMA AND DEATH.

Medical Condition Aggravated by Exposure:NONE REPORTED.

First Aid

First Aid:GET IMMEDIATE MEDICAL HELP IN ALL CASES.EYE & SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES.REMOVE CONTAMINATED CLOTHING.INHALED/ORAL:ALWAYS HAVE ON HAND A CYANIDE FIRST AID KIT.BREAK AN AMYL NITRITE PEARL IN CLOTH & HOLD LIGHTLY UNDER NOSE FOR 15 SECONDS.REPEAT EVERY 5 MINUTES.PROVIDE CPR & 100% OXYGEN.TRANSPORT TO HOSPITAL IMMEDIATELY.

Fire Fighting

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY EMIT VERY TOXIC FUMES OF CYANIDE AND NITROGEN OXIDES.

Accidental Release

Spill Release Procedures:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. VENTILATE AREA. ABSORB SPILL ON NON-REACTIVE MATERIAL. OXIDIZE THE WASTE WITH A 50% EXCESS OF A MIXTURE OF COMMERCIALY AVAILABLE LAUNDRY BLEACH & SODA ASH/SODIUM BICARBONATE.

Neutralizing Agent:BLEACH AND SODIUM BICARBONATE.

Handling

Handling and Storage Precautions:STORAGE-STORE IN TIGHTLY CLOSED CONTAINER IN COOL, DRY, VENTILATED AREA AWAY FROM ACID, MOISTURE & LIGHT.

Other Precautions:EXTREMELY TOXIC! AVOID BREATHING DUST. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN. DO NOT ENTER STORAGE AREA UNLESS ADEQUATELY VENTILATED.

Exposure Controls

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF DUSTS PRESENT, A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS IS REQUIRED. WORK UNDER THE HOOD.

Ventilation:LOCAL (HOOD) EXHAUST REQUIRED.

Protective Gloves:RUBBER

Eye Protection:SAFETY/CHEMICAL GOGGLES

Other Protective Equipment:LAB APRON OR COAT, EYE WASH EMERGENCY SHOWER.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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:SOLUBLE

Appearance and Odor:WHITE LUMPS - BITTER ALMOND ODOR

Stability

ACIDS

Stability Condition to Avoid:HEAT, LIGHT

Hazardous Decomposition Products:MAY EMIT VERY TOXIC FUMES OF CYANIDE AND NITROGEN OXIDES.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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