

COBALTOUS CHLORIDE HEXAHYDRATE

MSDS Number

BDKPL

National Stock Number

6810-00-227-0409

Product Name

COBALTOUS CHLORIDE HEXAHYDRATE

Manufacturer

FISHER SCIENTIFIC CO

Product Identification

Product ID: COBALTOUS CHLORIDE HEXAHYDRATE

MSDS Date: 03/15/1989

FSC: 6810

NIIN: 00-227-0409

MSDS Number: BDKPL

Responsible Party

FISHER SCIENTIFIC CO

52 FADEM RD

SPRINGFIELD, NJ 07081-3116

US

Emergency Phone: 201-796-7100

Info Phone: 201-379-1400

Preparer: GASTON L. PILLORI

Cage: 94480

Contractor

FISHER SCIENTIFIC COMPANY

SPRINGFIELD, NJ 07081

US

201-796-7100

Cage: 94480

Ingredients

COBALT CHLORIDE

CAS: 7791-13-1

RTECS: GG0200000

Fraction By Weight: 100%

OSHA PEL 0.1 MG/M3 (CO)

ACGIH TLV: 0.05 MG/M3 (CO)

Hazards

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- DEATH, RHINITIS, IRRITATION OF RESPIRATORY SYSTEM, TRACHEITIS. EYES- IRRITATION.

SKIN- IRRITATION, DERMATITIS. INGESTION- ABDOMINAL DISTRESS, NERVE DEAFNESS, DEATH. CHRONIC: ASTHMA, PNEUMONITIS, DERMATITIS. DAMAGE TO LIVER AND KIDNEYS.

Explanation of Carcinogenicity: NONE

Effects of Overexposure:INHALATION: HEADACH, WEAKNESS, WHEEZING, SNEEZING. EYES: BURNING SENSATION, STINGING. SKIN: REDNESS, ITCHING, RASH. INGESTION: STOMACH PAIN, VOMITING, DIARRHEA, SKIN RASH, TINNITIS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED.

First Aid

First Aid:INHALATION: GET TO FRESH AIR. RESUSCITATE IF NEEDED. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER FOR 20 MINUTES. EYE: WASH FOR 20 MINUTES. INGESTION: IF CONSCIOUS, GIVE 2 TO 4 GL ASSES OF WATER AND INDUCE VOMITING. SEEK MEDICAL ATTENTION FOR ALL THE ABOVE CONDITIONS.

Fire Fighting

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. MOVE CONTAINERS FROM FIRE IF IT CAN BE DONE AT NO RISK. DO NOT SCATTER SPILLED MATERIAL.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

Accidental Release

Spill Release Procedures:OCCUPATIONAL SPILL: WHEN NOT INVOLVED IN FIRE, DO NOT ALLOW MATERIAL TO CONTAMINATE SEWERS AND WATER SOURCES. ABSORB MATERIAL IN INERT ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE

Handling

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE MATERIALS. KEEP IN TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY AREA.

Other Precautions:IMMEDIATELY DEADLY TO LIFE AND HEALTH (IDLH) CONDITIONS = 20 MG/M3 (CO). POISONING MAY AFFECT LIVER, KIDNEYS, BLOOD, RESPIRATORY, CARDIOVASCULAR, ENDOCRINE, GATROINTESTINAL, AND NERVOUS SYSTEMS. SKIN SENSITIZER.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST AND MISTS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:CLOTHING TO PREVENT PROLONGED OR REPEATED CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:PRACTICE GOOD PERSONAL HYGENE AFTER USE. DO NOT EAT, DRINK, OR SMOKE UNTIL HANDS ARE WASHED.

Supplemental Safety and Health

DO NOT WEAR CONTACT LENSES WHEN USING.

Chemical Properties

HCC:N1

Boiling Pt:B.P. Text:1920F,1049C

Melt/Freeze Pt:M.P/F.P Text:189F,87C

Spec Gravity:1.9

pH:4.2

Solubility in Water:APPRECIABLE

Appearance and Odor:PINK TO RED,SLIGHTLY DELIQUESCENT,PRISMATIC CRYSTL

Stability

Stability Indicator/Materials to Avoid:YES

METALS, POTASSIUM, AND SODIUM. STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:EXCESSIVE HEAT, SPARKS, OPEN FLAME.

Hazardous Decomposition Products:TOXIC OXIDES OF COBALT AND CORROSIVE FUMES OF CLORINE.

Disposal

Waste Disposal Methods: CONTACT LOCAL ENVIRONMENTAL MANAGER. DIPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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