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FISHER SCIENTIFIC CO

COBALTOUS CHLORIDE HEXAHYDRATE

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: COBALTOUS CHLORIDE HEXAHYDRATE

Manufacturer Name: FISHER SCIENTIFIC CO

Address:

52 FADEM RD
 City: SPRINGFIELD
 State: NJ
 Zip: 07081-3116
 Country: US

Business Phone: 201-379-1400

For information in North America, call: 201-379-1400

Health Phone: 201-796-7100

Manufacturer MSDS Creation Date:

03/15/1989

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Percent	
COBALT CHLORIDE	7791-13-1	100	

RTECS:

GG0200000

OSHA PEL TWA: 0.1 MG/M3 (CO)

ACGIH TLV TWA: 0.05 MG/M3 (CO)

ACGIH STEL/Ceiling: N/P

Comments:

Other REC Limits: NOT ESTABLISHED ; Ozone Depleting Chemical: N ;

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SECTION 3 : HAZARDS IDENTIFICATION

COBALT CHLORIDE:

Route of Exposure:

Inhalation: YES Skin: YES Ingestion: YES

Potential Health Effects:

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.

Carcinogenicity:

NONE

OSHA Designation: NO

NTP Designation: NO

IARC Designation: NO

Signs/Symptoms:

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

Aggravation of Pre-Existing Conditions:

PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED.

LD 50 LC 50 Mixture

ORAL LD50 (RAT) IS UNKNOWN

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SECTION 4 : FIRST AID MEASURES

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.

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SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:

NONE

Flash Point Method:

N/P

Upper Flammable or Explosive Limit: N/R

Lower Flammable or Explosive Limit: N/R

Auto Ignition Temperature: N/K

Extinguishing Media:

USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Instructions:

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 Hazards:

NONE SPECIFIED BY MANUFACTURER.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak Response:

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.

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.

Neutralizing Agent

NONE

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SECTION 7 : HANDLING and STORAGE

Handling:

STORE AWAY FROM INCOMPATIBLE MATERIALS. KEEP IN TIGHTLY CLOSED CONTAINER.
STORE IN A COOL, DRY AREA.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:

USE ADEQUATE MECHANICAL VENTILATION.

Hand Protection Description:

RUBBER

Eye/Face Protection:

SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Respiratory Protection:

USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST AND MISTS.

Other Protective:

CLOTHING TO PREVENT PROLONGED OR REPEATED CONTACT. EYE WASH STATION &
SAFETY SHOWER.

Other:

DO NOT WEAR CONTACT LENSES WHEN USING.

Work Hygienic Practices

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

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:

PINK TO RED,SLIGHTLY DELIQUESCENT,PRISMATIC CRYSTL

pH:

4.2

Decomposition Temperature:

UNKNOWN

Vapor Pressure:

UNKNOWN

Vapor Density:

UNKNOWN

Boiling Point:

1920F,1049C

Melting Point:

189F,87C

Solubility In Water:

APPRECIABLE

Specific Gravity:

1.9

Evaporation Point:

UNKNOWN

Percent Volatile:

N/R
Viscosity:
N/A
Other:
Corrosion Rate: UNKNOWN
Comment:
NRC/State LIC Number: N/R

HCC
N1

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SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:
YES
Conditions to Avoid:
EXCESSIVE HEAT, SPARKS, OPEN FLAME.
Incompatibilities with Other Materials:
METALS, POTASSIUM, AND SODIUM. STRONG OXIDIZING AGENTS.
Hazardous Polymerization:
NO
Hazardous Decomposition Products:
TOXIC OXIDES OF COBALT AND CORROSIVE FUMES OF CLORINE.
Conditions To Avoid Polymerization
NONE

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SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Paragraph:
N/P

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SECTION 12 : ECOLOGICAL INFORMATION

Ecological Paragraph:
N/P

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SECTION 13 : DISPOSAL CONSIDERATIONS

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

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SECTION 14 : TRANSPORT INFORMATION

Transportation Information:
N/P

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SECTION 15 : REGULATORY INFORMATION

COBALT CHLORIDE:

SARA:

N/P

US Federal:

N/P

State:

N/P

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SECTION 16 : ADDITIONAL INFORMATION

MSDS Author:

GASTON L. PILLORI

Disclaimer:

Please note that although the information, opinions and recommendations contained in these Material Safety Data Sheets are compiled from sources believed to be reliable, we accept no responsibility for the accuracy, sufficiency, or reliability or for any loss or injury resulting from the use of the information. Newly discovered hazards are frequent and this information may not be completely up to date.

Other Information

N/P

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