

FISHER SCIENTIFIC CO -- CADMIUM CHLORIDE, HYDRATED -- 6810-00-957-8058

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

Product ID:CADMIUM CHLORIDE, HYDRATED

MSDS Date:06/04/1992

FSC:6810

NIIN:00-957-8058

MSDS Number: BFZCN

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO

Address:52 FADEM RD

City:SPRINGFIELD

State:NJ

ZIP:07081-3116

Country:US

Info Phone Num:201-379-1400

Emergency Phone Num:201-379-14

00

CAGE:94480

=== 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

Company Name:FISHER SCIENTIFIC COMPANY

Address:52 FADEM ROAD.DOMESTIC DIVISION

City:SPRINGFIELD

State:NJ

ZIP:07081

Country:US

Phone:201-796-7100

CAGE:94480

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

Ingred Name:CADMIUM CHLORIDE (SARA III)

CAS:10108-64-2

RTECS #:EV

0175000  
Fraction by Wt: 100%.  
OSHA PEL:SEE 1910.1027  
ACGIH TLV:0.05 MG(CD)/M3; 9293  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:194 MG/KG ORAL MOUSE LD50  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:NEPHROTOXIN. UPPER RESPIRATORY TRACT  
IRRITATION, LUNG/KIDNEY/LIVER DAMAGE, PULMONARY EDEMA, RHINITIS,  
BRONCHITIS, EMPHYSEMA, DYSPNEA, ABNORMAL LUNG FUNCTION, FIBROSIS,  
SKIN IRRITATION, DERMATITIS, EYE IRRITATION, CONJUNCTIVITIS,  
FACIAL EDEMA, GASTROINTESTINAL DISTURBANCES, HYPOTENSION,  
RESPIRATORY ARREST, DEATH.  
Explanation of Carcinogenicity:CADMIUM CHLORIDE IS CLASSIFIED AS  
ANTICIPATED HUMAN CARCINOGEN BY NTP AND GROUP 2A BY IARC.  
Effects of Overexposure:COUGH, CHEST PAIN, DIZZINESS, ABDOMINAL PAIN,  
NAUSEA, VOMITING, LUNG/KIDNEY/LIVER DAMAGE, DEATH, DECREASED  
CONCENTRATING CAPACITY, YELLOWING OF TEETH, DECREASED CREATININE  
EXCRETION, BACK PAIN, PAIN IN EXTREMITIES, PAIN ON BONE PRESSURE,  
SKIN IRRITATION, EYE IRRITATION, FACIAL EDEMA.  
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP  
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA  
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL  
ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. INGESTION: IF VOMITING HAS NOT OCCURRED, USE  
EMESIS OR GASTRIC LAVAGE. KEEP HEAD BELOW HIPS. GET MEDICAL  
ATTENTION.

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

Flash Point:NON FLAMMABLE  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, REGULAR  
FOAM  
Fire Fighting Procedures:MOVE CONTAINER

FROM FIRE IF CAN DO SO WITHOUT  
RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH PRESSURE WATER  
STREAM.

Unusual Fire/Explosion Hazard:AVOID BREATHING HAZARDOUS VAPORS. KEEP  
UPWIND.

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

Spill Release Procedures:DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF  
CAN DO SO WITHOUT RISK. TAKE UP WITH SAND OR OTHER ABSORBENT  
MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL. REPORTABLE  
QUANTITY IS 100 POUNDS.

Neutralizing

Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:PREVENT DISPERSION OF DUST IN AIR.

Other Precautions:DO NOT ALLOW MATERIAL TO CONTAMINATE WATER SOURCES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER  
CURRENT 29 CFR 1910.134, INSTRUCTIONS/WAR  
NINGS AND NIOSH RESPIRATOR  
SELECTION.

Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO  
MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:RECOMMENDED

Eye Protection:SPLASH-PROOF OR DUST-RESISTANT GLASSES

Other Protective Equipment:EYEWASH FOUNTAIN AND QUICK DRENCH EMERGENCY  
SHOWER.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

ANTIDOTE: DO NOT GIVE DIMERCAPROL. IF S  
YMPTOMS PERSIST, GIVE CALCIUM

DISODIUM EDETATE. GIVE 15-25 MG/KG IN 250-500 ML OF DEXTROSE  
INTRAVENOUSLY OVER A 1-2 HOUR PERIOD, TWICE DAILY.

===== Physical/Chemical Properties =====

HCC:T6

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:93.0F,33.9C

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:3.3

Evaporation Rate & Reference:NIL

Solubility in Water:COMPLETE

Appearance and Odor:EFFLORESCENT GRANULES OR RHOMBOHEDRAL LEAFLETS  
Percen

t Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

BROMINE TRIFLUORIDE, POTASSIUM

Stability Condition to Avoid:EXTREME TEMPERATURES

Hazardous Decomposition Products:CADMIUM OXIDES AND FUMES OF CHLORIDES

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR

LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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