

FISHER SCIENTIFIC, CHEMICAL DIV. -- C79 500 CALCIUM CHLORIDE DIHYDRATE --  
6810-00-247-0601

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

Product ID:C79 500 CALCIUM CHLORIDE DIHYDRATE

MSDS Date:03/04/1996

FSC:6810

NIIN:00-247-0601

MSDS Number: CDQLH

=== 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 OR 201-796-7523

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

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:CALCIUM CHLORIDE, DIHYDRATE

CAS:10035-04-8

RTECS #:EV9810000

Fraction by Wt: 74-78%

Other REC Limits:NONE RECOMMENDED

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==== Hazards Identification =====

LD50 LC50 Mixture:LD50:NOT AVAILABLE.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:WARNING!MAY CAUSE CNS DEPRESS,KIDNEY DMG,CARDIAC DISTRUB..HARMFUL IF INGEST.CONTACT W/SKIN CAUSES IRRIT,POSSIBLE BURNS ESPECIALLY IF WET/MOIST.MAY CAUSE SEVERE EYE IRRIT,POSSIBLE INJURY,RESP TRACT IRR IT.EYE:SEVERE IRRIT,BURNS.SKIN:IRRIT,BURNS ESPECI

ALLY IF WET/MOIST.INGEST:SEVERE

GI TRACT IRRIT,CARDIAC DISTURB(SUPPLE)

Explanation of Carcinogenicity:PER MSDS:NOT LISTED BY ACGIH,IARC,NIOSH,NTP,OSHA.

Effects of Overexposure:CNS DEPRESSION,KIDNEY DMG,CARDIAC DISTURBANCES,HARMFUL IF INGEST,SKIN IRRIT/BURNS,SEVERE EYE IRRIT,INJURY,RESPIRATORY TRACT IRRIT,SEVERE GI TRACT IRRIT,NAU,VOMIT,BURNS,SEIZURES,RAPID RESPIRATION,SLOW HEARTBEAT,DEATH,WEVERE UPPER RESP TRACTIRRIT,PAIN,BURNS,INFLAMMATION.

Medical Cond Aggravated b

y Exposure:NONE SPECIFIED BY MANUFACTURER.  
TARGET ORGANS:HEART.

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

First Aid:EYE:IMMED FLUSH W/PLENTY OF WTER FOR @LEAST 15MINS,LIFT EYELIDS.GET MED AID IMMED.SKIN:GET MED AID IMMED.IMMED FLUSH W/PLENTY OF SOAP/WATER FOR @LEAST 15MINS WHILE REMOVING CONTAMIN CLOTH/SHOES.INGEST :DON'T INDUCE VOMIT.IF CONSC/ALERT GIVE2-4CUPFULS OF MILK/WATER.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.GET MED AID IMMED.INHAL:GE T MED AID IMMED.REMOVE TO FRESH AIR IMMED.NOT BREATH GIVE ART(SUPPLE)

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

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:N/AVAI

Upper Limits:N/AVAI

Extinguishing Media:DON'T USE WATER DIRECTLY ONFIRE.USE DRY CHEM,CARBON DIOXIDE,OR ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures:WEAR APPROPR PROT CLOTH TO PREVENT CONTACT W/SKIN/EYES.WEAR SCBA TO PREVENT CONTACT W/THERMAL DECOMPO PRODUCTS.

Unusual Fire/Ex

plosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:USE PPE.VACUUM/SWEEP UP MATL & PLACE INTO  
SUITABLE DISPOSAL CONTAINER.AVOID GENERATING DUSTY CONDITIONS.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE W/ADEQU VENTI.MINIMIZE DUST  
GENERATION/ACCUMUL.DON'T GET ON SKIN/EYES.DON'T INGEST/INHA  
L.STORE  
IN COOL DRY WELL VENTI AREA AWAY FROM INCOMP SUBST.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:FOLLOW OSHA RESP REGS FOUND IN  
29CFR1010.134.ALWAYS USE NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.  
Ventilation:LOCAL EXHAU VENTI MAY BE NECESSARY TO CONTROL ANY AIR  
CONTAMIN TO WITHINN THEIR TLV DURING USE OF PRODUCT.  
Protective Gloves:WEAR IMPERVIOUS GLOVES.  
Eye Protection:APPROP PROT  
EYEGASSES,CHEM SAF GOGG  
Other Protective Equipment:EYE PROT:PRE 29CFR1910.133.WEAR APPROPRIATE  
PROT CLOTH TO MIN CONTACT W/SKIN.  
Work Hygienic Practices:WASH THOROUGHLY AFT HNDLG.WASH CLOTHS BEF  
REUSE.  
Supplemental Safety and Health  
PH:4.5-8.5 FOR 5% SOLN. INCOMP:WHEN ADDED TO FURAN-2-PEROXYCARBOLIC  
ACID;EXO TX W/WATER. HEALTH:INHAL:SEVERE UPPER RESP TRACT IRRIT.  
1ST AID:RESP;DIFFI BREATH GIVE OXY.DR:TREAT SYMPTO/SUPP.

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

HCC:T6  
Boiling Pt:B.P. Text:2912F,1600C  
Melt/Freeze Pt:M.P/F.P Text:500F,260C  
Decomp Temp:Decomp Text:N/AVAI  
Vapor Pres:N/AVAI  
Vapor Density:N/AVAI  
Spec Gravity:1.85  
pH:SUPPLE  
Viscosity:N/AVAI  
Evaporation Rate & Reference:N/AVAI  
Solubility in Water:SOLUBLE.  
Appearance and Odor:SOLID, WHITE SOLID, ODORLESS.  
Percent Volatiles by Volume:NP  
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
CONTACT W/WATER

;BORIC OXIDE+CALCIUM OXIDE;BROMINE  
TRIFLUORIDE;ZN;CATLYZES EXO POLYMZ OF VINYL ETHER;EXPL @RM TEMP  
(SUPP)

Stability Condition to Avoid:AVOID DUST GENERATION/ACCUMULATION.

Hazardous Decomposition Products:CHLORINE.

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

Waste Disposal Methods:DISPOS OF IN MANNER CONSISTENT W/LOCAL, STATE  
AND FEDERAL REGULATIONS.NOT SARA/RCRA CHEMS.NOT LISTED AS MATL  
BANNED FOR LAND DISPO ACCORDING TO RCRA.

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