

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:201-79
6-7100 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
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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 ESPEC

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

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

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First Aid Measures
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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:G
ET MED AID IMMED.REMOVE TO FRESH
AIR IMMED.NOT BREATH GIVE ART(SUPPLE)

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Fire Fighting Measures
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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/E

xplosion 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/INH
AL.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 PRO
T 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/WATE

R;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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