

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

=====

==== 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/INHAL 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.

Disclaimer (provided with

this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.