

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION -- CALCIUM CHLORIDE -- 6810-00-237-2934
===== Product Identification =====

Product ID:CALCIUM CHLORIDE
MSDS Date:01/01/1987
FSC:6810
NIIN:00-237-2934
MSDS Number: BDLYL
=== Responsible Party ===
Company Name:MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION
Emergency Phone Num:(314)982-5000
CAGE:62910
=== Contractor Identification ===
Company Name:MALLINCKRODT
SPECIALTY CHEMICALS CO
Address:222 RED SCHOOL LANE
Box:City:PHILLIPSBURG
State:NJ
ZIP:08865
Country:US
Phone:908-859-2151
CAGE:62910

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

Ingred Name:CALCIUM CYANIDE MIXTURE
RTECS #:EW0710000
Fraction by Wt: >99%
OSHA PEL:5 MG/M3 (CN)
ACGIH TLV:S, 5 MG/M3 (CN)

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

Effects of Overexposure:INH:DUST MAY IRRIT UPPR RESP TRACT;ING:MAY
IRRIT MUC MEMB;SKIN:IRRITANT.M
AY BURN;EYES:BURNS/IRRIT.

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

First Aid:INHAL:RMV TO FRESH AIR.GET MD FOR BREATHG
DIFFICULTY;INGEST:IMMED INDUCE VOMIT BY GIVING 2 GL OF
WATER/MILK.NOTHING BY MOUTH IF UNCONSCIOUS.GET MD IMMED;SKIN:WASH
W/SOAP & WATER.GET MD IF IRRIT OCCURS ;EYES:FLUSH W/H2O FOR 15
MIN.GET MED ATTN IMMED.

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

Flash Point:NONE
Extinguishing Media:EXTINGUISH W. AGENT

SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H2O SPRAY TO COOL CONTR.

Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

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

Spill Release Procedures:CLEAN-UP PERSONS MAY REQUIRE PROTECTIVE CLOTHING & RESP PROTECTION FROM DUST.COLLECT SPILLED MATL BY SWEEPING, PICKING OR SCOOPING & TRANSFER TO A CLOSED,WATER-PROOF NON-METAL CONTAINER SUITABLE FOR S HIPPING (MOIST/WET CACL2 MAY CRODE STEEL).

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

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTNRS IN COOL,DRY, VENTLTD AREA.PROTCT AGAINST PHY DAMAGE.MOIST CACL2/CONC SOLN MAY CORRODE STEEL.DO NOT STORE IN METAL CONT

Other Precautions:AVOID CONTACT W/EYES,SKIN & CLOTHING. WASH THOROUGHLY AFTER HANDLING. DO NOT EXPOSE TO ATMOSPHERE BECAUSE CALCIUM CHLORIDE WILL ABSORB WATER & FORM A SOLUTION.

=====

Exposure Controls/Personal Protection =====

Respiratory Protection:SUPPLIED AIR RESPIR/SCBA; ESCAPE: GAS MASK

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:IMPERVIOUS

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION

Supplemental Safety and Health

MSDS FM MFR DATED: 05 SEP 85, CONFORMS TO OSHA HAZ COMM STD; BOILING POINT: OVER 1600C(2912F); MELTING POINT: 772C(1422F)

===== Phy sical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:>1600C

Spec Gravity:2.15

Solubility in Water:COMPLETE

Appearance and Odor:WHITE OR GRAY-WHITE GRANULES. ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

METALS,AL,YELLOW BRASS,BROMINETRIFLUORIDE,MIX OF LIME/ BORATE

Stability Condition to Avoid:WET/MOIST CONDITIONS.(CACL2 ABSORBS H2O & MAKES ACID SOLN)

Hazardous Decomposition Products:CHLORINE/HC

L GAS FUMES,&OXIDES OF
CALCIUM WHEN HEATED.

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

Waste Disposal Methods:COLLECTED WASTE MAY BE SHIPPED I/A/W DOT REGS TO
A RCRA-APPROVED WASTE DISPOSAL FACILITY.ENSURE COMPLIANCE WITH
LOCAL,STATE,& FEDERAL REGULATIONS.

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 whats
oever,

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.