

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION -- CALCIUM CHLORIDE -- 6810-00-237-2935

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

Product ID:CALCIUM CHLORIDE

MSDS Date:01/01/1987

FSC:6810

NIIN:00-237-2935

MSDS Number: BDLYM

=== Responsible Party ===

Company Name:MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION

Emergency Phone Num:(314)982-5000

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKR

ODT 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:IRRITAN
T.MAY 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/H*20 FOR 15
MIN.GET MED ATTN IMMED.

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

Flash Point:NONE

Extinguishing Media:EXTINGUISH W. A

GENT SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H*20 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 SH IPPI NG (MOIST/WET CACL*2 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 CACL*2/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)

=====

= Physical/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.(CACL*2 ABSORBS H*2O & MAKES ACID SOLN)

Hazardous Decomposition Products:CHLO

RINE/HCL 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 manne
r 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.