

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- CALCIUM CARBONATE -- 6810-00-234-8365
===== Product Identification =====

Product ID:CALCIUM CARBONATE
MSDS Date:04/06/1989
FSC:6810
NIIN:00-234-8365
MSDS Number: BDLLY
=== Responsible Party ===
Company Name:MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION
Address:PARIS BYPASS
Box:M
City:PARIS
State:KY
ZIP:40361
Country:US
Info Phone Num:800-354-2050/314-9
82-5000
Emergency Phone Num:800-354-2050/314-539-1600
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 CARBONATE
CAS:471-34-1
RTECS #:FF9335000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TOTAL DUST
ACGIH TLV:10 MG/M3

===== Hazard

s Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE- INHALATION: EXCESSIVE
CONCENTRATIONS OF A NUISANCE DUST MAY CAUSE NUISANCE CONDITION SUCH
AS COUGHING, SNEEZING & NASAL IRRITATION. INGESTION: NON-TOXIC.
SKIN: NOT EXPECTED TO BE A HAZARD. EYE: PRESUMED TO CAUSE
MECHANICAL IRRITATION. CHRONIC- EXCESSIVE ORAL DOSES MAY PRODUCE
ALKALOSIS.

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Effects of Overexposure:INHALATION OF EXCESSIVE CONCENTRATIONS OF A
NUISANCE DUST MAY CAUSE NUISANCE CONDITION SUCH AS COUGHING,
SNEEZING & NASAL IRRITATION. INGESTION IS NON-TOXIC. NOT EXPECTED
TO BE A SKIN HAZARD. PRESUMED TO CAUSE MECHANICAL IRRITATION OF
EYES.

Medical Cond Aggravated by Exposure:NO INFORMATION FOUND.

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

First Aid:GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.
INHALATION: REMOVE TO F
RESH AIR. EYES: FLUSH WITH WATER FOR 15
MINUTES HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER.
INGESTION: IF LARGE AMO UNTS WERE SWALLOWED, DRINK WATER &
CALLPHYSICIAN.

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

Flash Point:NONFLAMMABLE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. COOL
FIRE EXPOSED CONTAIENRS WITH WATER SPRAY
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING A
PPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

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

Spill Release Procedures:VENTILATE AREA OF LEAK OR SPILL. CLEAN-UP
PERSONNEL MAY REQUIRE RESPIRATORY PROTECTION FROM DUST. SWEEP UP
AND CONTAINERIZE FOR RECLAMATION OR DISPOSAL. VACUUMING OR WET
SWEEPING MAY BE USED TO AVOID DUST DISPERSAL.
Neutralizing Agent:NOT APPLICAB

LE.

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

Handling and Storage Precautions:STORAGE-STORE IN COOL, DRY, VENTILATED AREA IN TIGHTLY CLOSED CONTAINER.

Other Precautions:PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. DO NOT RAISE DUST. AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING DUST. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF DUSTS PRESENT, A N

IOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS OR A HALF MASK CHEMICAL CARTRIDGE RESPIRATOR IS ADVISED.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER, NORMAL WORK CLOTHING COVERING ARMS AND LEGS. DO NOT WEAR CONTACT LENSES.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING,

SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

MSDS FROM MFR DATED:20 DEC 1984, CONFORMS TO OSHA HAZARD COMMUNICATION STANDARD, SPECIFIC GRAVITY: 2.7-2.95.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1517F,825C

Decomp Temp:Decomp Text:1517F,825C

Spec Gravity:2.7 - 2.95

Solubility in Water:0.001 GM IN 100 ML

Appearance and Odor:FINE WHITE POWDER - ODORLE

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

Stability Indicator/Materials to Avoid:YES

ACIDS, FLUORINE, MAGNESIUM WITH HYDROGEN

Stability Condition to Avoid:HEAT, OPEN FLAMES AND MOISTURE

Hazardous Decomposition Products:WHEN HEATED TO DECOMPOSITION (825C), EMITS CALCIUM OXIDE FUMES AND LIBERATES CARBON DIOXIDE.

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

Waste Disposal Methods:COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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