

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

Product ID:CALCIUM CARBONATE

MSDS Date:04/06/1989

FSC:6810

NIIN:01-097-4735

MSDS Number: BGLRC

=== 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:314-982-5000

Emergency Phone Num:314-982-5000

CAGE:62910

=== Contractor Identificat

ion ===

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

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

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

LD50 LC50 Mixture:NO I

NO INFORMATION FOUND

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: NASAL IRRITATION. CHRONIC: ALKALOSIS.

Effects of Overexposure:EYES: IRRITATION. SKIN: NOT EXPECTED TO BE A HAZARD. INHALATION: COUGHING, SNEEZING AND NASAL IRRITATION. INGESTION: NON-TOXIC.

Medical Cond Aggravated by Exposure:NO INFORMATION FOUND.

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

First

First Aid:EYES: FLUSH WITH PLENTY OF WATER. IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS SEE DOCTOR. INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. INGESTION: IF LARGE AMOUNT SWALLOWED DRINK LARGE AMOUNT OF WATER, SEE DOCTOR.

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

Flash Point:NONE

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedure

Fire Fighting:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING & RESPIRATORY PROTECTION FROM DUST. COLLECT BY SWEEPING, MOPPING OR WET VACUUMING AS APPROPRIATE. COLLECTED WASTE MAY BE TRANSFERRED TO A CLOSED METAL CONTAINER. AVOID DUSTING CONDITIONS.

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

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTAINERS AT COOL, DRY, VENTILATED PLACE. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:AVOID PROLONGED EXPOSURE TO DUST. PRACTICE GOOD INDUSTRIAL AND PERSONAL HYGIENE AND SAFETY PROCEDURES BY AVOIDING ALL UNNECESSARY EXPOSURE TO CHEMICAL SUBSTANCES.

CES. ENSURE PROMPT
REMOVAL FROM SKIN, EYES AND CLOTHING.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA-APPROVED
RESPIRATOR WITH DUST CARTRIDGE IF TLV IS EXCEEDED.

Ventilation:LOCAL AND/OR GENERAL EXHAUST TO MAINTAIN EXPOSURE LEVEL
BELOW TLV.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES W/SIDE SHIELD OR GOGGLES.

Other Protective Equipment:EMERGENCY EYE LAVAGE AND SHOWER. LAB COAT,

APRON OR COVERALLS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. AVOID
GENERATING DUST. CONTACT LENSES SHOULD NOT BE WORN.

Supplemental Safety and Health
NONE.

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

HCC:N1

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

Decomp Temp:Decomp Text:1517F,825C

Spec Gravity:2.7-2.95

Solubility in Water:NEGLIGIBLE

Appearance and Odor:FINE WHITE POWDER, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

ACIDS, FLOURINE, MAGNESIUM WITH HYDROGEN

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:CALCIUM OXIDE FUMES AND CARBON DIOXIDE
WHEN HEATED TO DECOMPOSITION.

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

Waste Disposal Methods:COLLECTED WASTE MAY BE TRANSFERRED TO A CLOSED,
PREFERABLY METAL, CONTAINER AND SENT TO A RCRA-APPROVED WASTE
DISPOSAL FAC

ILITY. ENSURE COMPLIANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

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