

CALCIUM METAL

MSDS Number

BXGCT

National Stock Number

6810-00D003528

Product Name

CALCIUM METAL

Manufacturer

WARD'S NATURAL SCIENCE ESTABLISHMENT INC

Product Identification

Product ID:CALCIUM METAL

MSDS Date:05/11/1993

FSC:6810

NIIN:00D003528

MSDS Number: BXGCT

Responsible Party

WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

ROCHESTER , NY 14692-9012

US

Emergency Phone: 716-226-6177/334-4222/800-424-9300

Info Phone: 716-359-2502

Preparer: ALEXANDER A PICCIRILLI

Cage: EO227

Contractor

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

Ingredients

CALCIUM, METAL

CAS: 7440-70-2

RTECS: EV8040000

Fraction By Weight: 99%

MAGNESIUM

CAS: 7439-95-4

RTECS: OM2100000

Fraction By Weight: 0.7-1%

Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN. ACUTE-
EYE/SKIN:CAN CAUSE BURNS SINCE IT REACTS WITH MOISTURE TO FORM
CAUSTIC. INHALATION:FUMES FROM BURNING CALCIUM ARE HIGHLY
IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES. INGESTION:HARMFUL.
CAN CAUSE BURNS. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, BURNS

First Aid

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:FLUSH WITH WATER FOR
15 MINUTES. HOLD EYELIDS OPEN. SEE PHYSICIAN. SKIN:WIPE EXCESS
METAL FROM SKIN. WASH SKIN WITH SOAP & WATER. INHALED:REMOVE TO
FRESH AIR. PR OVIDE CPR/OXYGEN IF NEEDED. ORAL:CALL A PHYSICIAN
IMMEDIATELY.

Fire Fighting

Flash Point:NONE
Extinguishing Media:USE DRY GRAPHITE, SODA ASH, POWDERED SODIUM
CHLORIDE, SAND. DO NOT USE WATER OR HALOGENATED HYDROCARBONS SUCH
AS CCL4.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. SEE 1990 EMERGENCY RESPONSE
GUIDEBOOK, DOT P 5800.5, GUIDE NO 40.
Unusual Fire/Explosion Hazard:POWDERED CALCIUM MAY FORM EXPLOSIVE
DUST-AIR MIXTURES.

Accidental Release

Spill Release Procedures:WEAR SUITABLE PROTECTIVE CLOTHING. AVOID
MAKING DUST. SWEEP UP AND PLACE IN A SEALED CONTAINER FOR RECOVERY
OR DISPOSAL. WASH SPILL SITE WELL WITH SOAP AND WATER AFTER PICK UP
IS COMPLETE. AVOID CONTACT WITH WATER. AVOID INHALATION OF DUST.
Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED PLACE
AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. NO
SMOKING OR OPEN FLAME WHEN OPENING CONTAINER.
Other Precautions:AVOID CREATING DUST. DO NOT GET IN EYES, ON SKIN OR
ON CLOTHING. AVOID INHALATION OF DUST. KEEP OUT OF REACH OF
CHILDREN. OBEY HAZARD WARNING LABEL. FOR LABORATORY USE ONLY. NOT
FOR DRUG, FOOD OR HOUSEHOLD USE. AVOID WATER OR MOISTURE.

Exposure Controls

Respiratory Protection:NONE SHOULD BE NEEDED IN NORMAL LABORATORY
HANDLING. IF DUSTY CONDITIONS PREVAIL, WORK IN A VENTILATION HOOD
OR WEAR A NIOSH-APPROVED DUST RESPIRATOR OR DUST MASK. IN
EMERGENCY, WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.
Ventilation:GENERAL OR LOCAL EXHAUST VENTILATION RECOMMENDED
Protective Gloves:RUBBER, LATEX
Eye Protection:SAFETY GOGGLES/CHEMICAL SAFETY GLASSES
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE
CLOTHING AND/OR UNIFORM
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health

Chemical Properties

HCC:R2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:2817F,1547C
Melt/Freeze Pt:M.P/F.P Text:1544F,840C
Vapor Pres:10 @ 1801F
Spec Gravity:1.54
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:REACTS VIOLENTLY
Appearance and Odor:LUSTROUS, SILVER-WHITE SOLID; ODORLESS

Stability

Stability Indicator/Materials to Avoid: YES

WATER, ALKALI-METAL HYDROXIDES AND CARBONATES

Stability Condition to Avoid: HEAT, MOISTURE

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. RECYCLE OR DISPOSE OF IN AN APPROVED INCINERATOR OR CONTRACT WITH A LICENSED WASTE DISPOSAL SERVICE.

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