

CABOT CORP., ELECTRONIC MATERIALS AND RESEARCH -- CESIUM,METAL,5061 B --  
6625-01-260-6886

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

Product ID:CESIUM,METAL,5061 B

MSDS Date:03/30/1995

FSC:6625

NIIN:01-260-6886

MSDS Number: BXJYK

=== Responsible Party ===

Company Name:CABOT CORP., ELECTRONIC MATERIALS AND RESEARCH

Address:COUNTY LINE ROAD/144 HOLLY ROAD

City:BOYERTOWN

State:PA

ZIP:19512

Country:US

Info

Phone Num:610-367-2181/1500

Emergency Phone Num:610-367-2181/800-424-9300(CHEMTREC)

CAGE:MO587

=== Contractor Identification ===

Company Name:CABOT CORP, ELECTRONIC MAT AND RESEARCH METALS DIV

Address:300 HOLLY RD AND COUNTY LINE RD

Box:City:BOYERTOWN

State:PA

ZIP:19512

Country:US

Phone:800-424-9300

CAGE:0CLD1

Company Name:CABOT CORP., ELECTRONIC MATERIALS AND RESEARCH

Address:COUNTY LINE ROAD/144 HOLLY ROAD

Box:City:BOYERTOWN

State:PA

ZIP:19512

Country:US

Phone:610-367-2181/1500

CAGE:MO587

Com

pany Name:HEWLETT-PACKARD CO, CORPORATE HQ  
Address:3000 MINUTEMAN RD  
Box:City:ANDOVER  
State:MA  
ZIP:01810-1032  
Country:US  
Phone:404-648-8754/FAX: 800-947-3299  
CAGE:28480

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Composition/Information on Ingredients  
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Ingred Name:CESIUM METAL  
CAS:7440-46-2  
RTECS #:FK9225000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:  
YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL  
TRACTS BURNS AND DESTRUCTION OF TISSUE  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING  
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, KIDNEYS, BLOOD, CNS  
MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE  
EXPOSURES.

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First Aid Measures  
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First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE.  
EYES/SKIN:FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS  
OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY.  
ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF  
MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
IF VOMITING OCCURS SPONTANEOUSLY, KEEP AIRWAY CLEAR.

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Fire Fighting Measures  
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Flash Po

int:NONE

Extinguishing Media:THIS MATERIAL IS FLAMMABLE AND DANGEROUS WHEN WET.  
USE DRY SAND, DRY GRAPHITE OR CLASS "D" EXTINGUISHING AGENT.

Fire Fighting Procedures:WEAR NIOSH-APPROVED, FULL FACE AIR SUPPLIED  
POSITIVIE PRESSURE RESPIRATORY DEVICE. NEVER USE WATER TO FIGHT  
THIS FIRE.

Unusual Fire/Explosion Hazard:REACTS VIOLENTLY WITH WATER AND IS  
EXPLOSIVE IN MOIST AIR OR WATER. EXTREME CAUTION IS NECESSARY.

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

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Spill Release Procedures:MAY IGNITE SPONTANEOUSLY IN AIR. COVER WITH  
DRY SAND/GRAPHITE/CLASS "D" FIRE EXTINGUISHING AGENTS. ALLOW TO  
OXIDIZE. WITH A DRY SHOVEL, CAREFULLY TRANSFER TO A DRY CONTAINER  
AND COVER. AVOID CREATING DUST. DO NOT CONTAMINATE AIR OR WATER.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:GLASS AMPULES AND STAINLESS STEEL  
CYLINDERS SHOULD BE USED TO HANDLE AND TRANSPORT THIS  
MATERIAL.

STORE UNDER VACUUM/AN INERT ATMOSPHERE SUCH AS ARGON

Other Precautions:DANGER! REACTS EXPLOSIVELY WITH MOISTURE, ACIDS AND  
OXIDIZERS. THIS MATERIAL IS NOT STABLE IN AIR. KEEP AWAY FROM  
MOISTURE, ACIDS, OXIDIZERS AND COMBUSTIBLES. KEEP OUT OF REACH OF  
CHILDREN. AVOID CONTACT WITH SKIN OR ANY TISSUE.

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

Respiratory Protection:WEAR NIOSH-APPROVED RESPIRATORS AS SPECIFIED BY  
AN INDUSTRIAL HYGIENIST.

LUNG FUNCTION TESTS ARE RECOMMENDED FOR  
USERS OF NEGATIVE PRESSURE DEVICES.

Ventilation:LOCAL EXHAUST

Protective Gloves:PVC, RUBBER DURING HANDLING

Eye Protection:DUST-RESISTANT GOGGLES/SAFETY GLASSES

Other Protective Equipment:UNIFORMS, DISPOSABLE COVERALLS, SAFETY  
SHOES, EYE WASH STATION, EMERGENCY SHOWER

Work Hygienic Practices:ROUTINE PHYSICAL EXAMINATIONS MAY BE USEFUL TO  
MONITOR HEALTH STATUS OF INDIVIDUALS.

Supplemental Safety and Health

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

Properties =====

HCC:R2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:1301F,705C

Melt/Freeze Pt:M.P/F.P Text:83.3F,28.5C

Vapor Pres:1.0 @ 534F

Spec Gravity:1.900 AS SOLID

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:DECOMPOSES

Appearance and Odor:LIQUID OR SOLID - SILVER/WHITE COLOR - NO ODOR

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid

:YES

CHLORINE, PHOSPHORUS, WATER, OXYGEN

Stability Condition to Avoid:EXPOSURE TO AIR, OXYGEN OR MOISTURE

Hazardous Decomposition Products:VARIOUS COMPOUNDS MAY BE FORMED.

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF THE MATERIAL HAS RECOVERY VALUE. STORAGE, PACKING, LABELING, TRANSPORTATION AND DISPOSAL MUST BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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