

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 Ph

one 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

Compan

y 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

=====
Composition/Information on Ingredients
=====

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

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

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.

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

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.

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

Flash Point

: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 =====

Spil

I 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 CONT ACT WITH SKIN OR ANY TISSUE.

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

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

G 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 Pro

perties =====

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:YE

S

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.

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 manner 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.