

CABOT CORP., ELECTRONIC MATERIALS AND RESEARCH -- CESIUM,METAL,5061 B 003-004 --
6625-01-251-6810

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

Product ID:CESIUM,METAL,5061 B 003-004

MSDS Date:03/30/1995

FSC:6625

NIIN:01-251-6810

MSDS Number: BXJYJ

=== Responsible Party ===

Company Name:CABOT CORP., ELECTRONIC MATERIALS AND RESEARCH

Address:COUNTY LINE ROAD/144 HOLLY ROAD

City:BOYERTOWN

State:PA

ZIP:19512

Co

untry: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

C

AGE:MO587

Company 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 =====

: 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 POSITIVE 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
=====

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

=====
===== Physi

cal/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/Mater

ials 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.

Disclaimer (pr

vided 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.