

J.T.BAKER CHEMICAL CO -- CADMIUM -- 6810-00-975-0693

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

Product ID:CADMIUM

MSDS Date:05/13/1993

FSC:6810

NIIN:00-975-0693

MSDS Number: BWFBB

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Info Phone Num:800-JTBAKER

Emergency Phone Num:(201) 859-2151/800-424-9300(CHEMTR)

Prepare

r's Name:QUALITY ASSURANCE DEPT.

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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

Ingred Name:CADMIUM (AS CD);(SARA III)

CAS:7440-43-9

R

TECS #:EU9800000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 MG/M3 DUST; Z-2
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:ORAL RAT LD50 FOR CADMIUM: 225 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INHALATION- IRRITATION OF MUCOUS
MEMBRANES. MAY BE FA
TAL. EYES- IRRITATION. INGESTION- IS HARMFUL
AND MAY BE FATAL. TARGET ORGANS: RESPIRATORY SYSTEM, LUNGS,
KIDNEYS, BLOOD, PROSTATE. CHRONIC EFFE CTS: LUNG DAMAGE, KIDNEY
DAMAGE.
Explanation of Carcinogenicity:CONTAINS C [7440-43-9] WHICH IS
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALATION- DRYNESS OF MOUTH AND THROAT,
HEADACHE, NAUSEA, AND DIZZINESS.
Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

=====

= First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15
MINUTES WHILE LIFTING EYELIDS OPEN. IF IRRITATION DEVELOPS OR
PERSISTS, GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND PLENTY OF
WATER. IF I RRITATION DEVELOPS OR PERSISTS, GET MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF REQUIRED.
INGESTION: INDUCE VOMITING, IF PRSON IS CONSCIOUS. GET MEDICAL
ATTENTION.

=====

== Fire Fighting Measures =====

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING
APPARATUS AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING FIRES. USE
WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
Unusual Fire/Explosion Hazard:CONTACT WITH STRONG OXIDIZERS MAY CAUSE
FIRE OR EXPLOSION.

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

Spill Release

Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE CLOTHING. WITH CLEAN SHOVEL, CARDFULLY PLACE
MATERIAL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA.
FLUSH SPILL AREA WITH WATER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE
IN SECURE POISON AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:NONE

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

Respiratory Protection:CONCENTRATIONS UP TO 1 PPM: A HIGH-EFFICIENCY
PARTICULATE RESPIRATOR. CONCENTRATIONS >1 PPM: SELF-CONTAINED
BREATHING APPARATUS IS ADVISED.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION IN SUFFICIENT VOLUME AND
PATTERN SO AS TO MAINTAIN EXPOSURE BELOW TLV'S.

Protective Gloves:RUBBER GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:UNIFORM AND APRON.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING THIS
MATERIA

L.

Supplemental Safety and Health

NONE

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

HCC:V7

Boiling Pt:=767.2C, 1413.F

Melt/Freeze Pt:=321.1C, 610.F

Vapor Density:3.9

Spec Gravity:8.64

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BLUE-WHITE SOLID. ODORLESS.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID.

Stability Condition

to Avoid:NONE DOCUMENTED
Hazardous Decomposition Products:CADMIUM FUMES.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER: D006 (EP TOXIC
WASTE).

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.