

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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Ingred Name:CADMIUM (AS CD);(SARA III)

CAS:7440-43-9

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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

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===== 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.

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= 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 IRRITATION 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.

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== 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.

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

Spill Release

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

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Handling and Storage  
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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN SECURE POISON AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.  
Other Precautions:NONE

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Exposure Controls/Personal Protection  
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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 MATERIAL  
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Supplemental Safety and Health  
NONE

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Physical/Chemical Properties  
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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

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Stability and Reactivity Data  
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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).

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