#5 CABF

J.T. BAKER COMPANY -- LEAD OXIDE (LITHARGE), 4995 -- 6810-00N027504

<pre>========== Product Identification ==========

Product ID:LEAD OXIDE (LITHARGE), 4995
MSDS Date:09/14/1989
FSC:6810
NIIN:00N027504
=== Responsible Party ===
Company Name:J.T. BAKER COMPANY
Address:222 RED SCHOOL LANE
City:PHILLIPSBURG
State:NJ
ZIP:08865-2219
Country:US
Info Phone Num:201-859-2151
Emergency Phone Num:201-859-2151
CAGE:70829
=== Contractor Identification ===
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:LEAD MONOXIDE; (LITHARGE) (LEAD OXIDE) (LIMITS ARE GIVEN AS
LEAD, INORGANIC DUST/FUMES)
CAS:1317-36-8
RTECS #:OG1750000
Fraction by Wt: 98-100%
OSHA PEL:0.05 MG/M3 (MFR)
ACGIH TLV:0.15 MG/M3 (MFR)

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

LD50 LC50 Mixture:LD50:(IPR RAT) 430 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHAL:IRRITATION OF UPPER
RESPIRATORY TRACT. SKIN/EYE:IRRITATION. INGEST:HEADACHE, NAUSEA,
VOMITING, GASTROINTESTINAL IRRITATION, CONVULSIONS, UNCONSCIOUSNESS
& MAY BE FATAL. CHRONIC: ANEMIA, K IDNEY DAMAGE, BLURRED VISION,
LEAD BUILD-UP IN THE CENTRAL NERVOUS SYSTEM. TARGET ORGANS:GI
TRACT, (EFTS OF OVEREXP)
Explanation of Carcinogenicity:LEAD & PB COMPOUNDS: GROUP 2B (IARC)
Effects of Overexposure:HLTH HAZ:CENTRAL NERVOUS SYSTEM, GINGIVAL
TISSUE, KIDNEYS & BLOOD. THIS PRODUCT IS KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

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

First Aid:INGEST:CALL MD! IF SWALLOWED, IF CONSCIOUS, IMMEDIATELY
INDUCE VOMITING. INHAL:REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
SKIN:FLUSH W/ WATER. EYE:IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT

LEAST 15 MINS.

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

Flash Point Method:CC
Flash Point:NOT APPLICABLE.
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:TOXIC GASES PRODUCED.

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

Spill Release Procedures:WEAR NIOSH/MSHA SCBA & FULL PROTECTIVE CLOTHING. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER & COVER. REMOVE FROM AREA. FLUSH SPILL AREA W/WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN SECURE POISON AREA. KEEP CONTAINER TIGHTLY CLOSED. USE W/ADEQUATE VENTILATION. KEEP AWAY FROM FOOD, DRINK & ANIMAL FEEDING STUFFS.
Other Precautions:POISON! DANGER! CAUSES IRRITATION. MAY BE FATAL IF SWALLOWED. EXCEPTIONAL HEALTH HAZARD:READ MSDS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE DUST. DANGER OF CUMULATIVE EFFECTS. WHEN U SING DO NOT EAT, DRINK OR SMOKE.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENT CONDITIONS EXIST. IF AIRBORNE CONC EXCEEDS TLV, A NIOSH/MSHA APPROVED HIGH-EFFICIENCY PARTICULATE RESPIRATOR IS RECOM. IF CONC EXCEEDS CAPACITY OF RESPIRATOR, A NIOSH /MSHA APPROVED SCBA IS ADVISED.
Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:CHEMICAL WORKERS GOGGLES .
Other Protective Equipment:UNIFORM & APRON ARE RECOMMENDED. LAB PROTECTIVE EQUIPMENT:LAB COAT & VENT HOOD.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:T4
Melt/Freeze Pt:M.P/F.P Text:1630F,888C
Spec Gravity:9.53 (H*2O=1)
Evaporation Rate & Reference:NOT APPLICABLE.
Solubility in Water:NEGLIGIBLE (<0.1%)
Appearance and Odor:YELLOW TO RED POWDER; ODORLESS.
Percent Volatiles by Volume:0 @21C

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

Stability Indicator/Materials to Avoid:YES
STRONG REDUCING AGENTS, COMBUSTIBLE MATERIAL, CHEMICALLY ACTIVE METALS, ALUMINUM & SODIUM.

Stability Condition to Avoid:HEAT.
Hazardous Decomposition Products:LEAD FUMES.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE W/ALL APPLICABLE FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS. EPA WASTE #D008.

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