

MALLINKRODT-BAKER -- METHYL ISOBUTYL KETONE -- 6810-00-052-1371

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Product Identification
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Product ID:METHYL ISOBUTYL KETONE

MSDS Date:12/08/1996

FSC:6810

NIIN:00-052-1371

MSDS Number: CFYKW

=== Responsible Party ===

Company Name:MALLINKRODT-BAKER

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:908-859-2151/800-582-2537

Emergency Phone Num:9

08-859-2151/800-424-9300(CHEMTREC)

Chemtec Ind/Phone:(800)424-9300

CAGE:EO303

=== 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

Company Name:MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY)

Address:222 RED SCHOOL LANE

Box:NONE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:800-582-2537 EXT 6501/908-859-2151

CAGE:EO303

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY
Box:City:RICHMOND
State:VA
ZIP:23222
Country:US
Phone:804-264-5183/FAX: 264-5535
CAGE:0YED2

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Composition/Information on Ingredients
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Ingred Name:METHYL ISOBUTYL KETONE (HEXONE) (SARA 313) (CERCLA)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 90- 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:50 PPM/75 STEL; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) 2080 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS,
RESPIRATORY & GI TRACTS. ACUTE- INHALATION/INGESTION CAUSES CNS
EFFECT. INGESTION CAUSES LOCAL IRRITATION WITH ABDOMINAL PAIN. MAY
CAUSE EYE IRRITATION & PAIN. PROLONGED/ REPEATED SKIN CONTACT MAY
CAUSE ITCHING,IRRITATION. CHRONIC- MAY CAUSE DERMATITIS.
LIVER &
KIDNEY EFFECTS IN LAB ANIMAL
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, DROWSINESS,
NAUSEA, VOMITING, TEARING, DEFATTING OF SKIN, CRACKING, BURNING
SENSATION, PAIN, DERMATITIS, UNCONSCIOUSNESS
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED CENTRAL NERVOUS SYSTEM OR
RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS
PRODUCT.

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First Aid Measures
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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:FLUSH WITH PLENTY OF WATER. ORAL:DO NOT INDUCE VOMITING. ASPIRATION HAZARD. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Fire Fighting Measures
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Flash Point Method:CC

Flash Point:64.0F,17.8C

Autoignition Temp:Autoignition Temp Text:838F

Lower Limits:1.2

Upper Limits:8.0

Extinguishing Media:USE FOAM, DRY CHEMICAL OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:

VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL

CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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Accidental Release Measures
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND. PLACE IN CONTAINER FOR REUSE/RECYCLING OR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

AREAS.

Neutralizing Agent:NOT RELEVANT

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY FROM IGNITION SOURCES & INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED. TEST FOR PEROXIDE IN BULK QUANTITIES.

Other Precautions:WARNING! FLAMMABLE. "EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. FOLLOW LABEL INSTRUCTIONS. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING VAPORS. DO NOT

DO NOT GET IN EYE, ON SKIN OR
ON CLOTHING. AVOID DIRECT SUNLIGHT.

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

Respiratory Protection: IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER
EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED
AIR RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED
POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: RUBBER, NEOPRENE FOR REPEATED CONTACT

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWERS SHOULD BE
AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC: F2

NRC/State Lic Num: NOT RELEVANT

Boiling

Pt: B.P. Text: 243F, 117C

Melt/Freeze Pt: M.P/F.P Text: -121F, -85C

Vapor Pres: 16 @ 68F

Vapor Density: 3.5

Spec Gravity: 0.80

Evaporation Rate & Reference: 5.6 (N-BUTYL ACETATE=1)

Solubility in Water: MODERATELY SOLUBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID - SLIGHT CAMPHOR ODOR

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, ALDEHYDES, NITRIC ACID, PERCHLORIC ACID,

POTASSIUM-TERT-BUTOXIDE

Stability Condition to Avoid:HIGH HEAT, SUNLIGHT, SPARKS, FLAMES, HOT SURFACES AND OTHER SOURCES OF IGNITION. MAY FORM EXPLOSIVE PEROXIDE IN AIR.

Hazardous Decomposition Products:MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE IN AN APPROVED INCINERATOR/CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT/DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS (WASTE CODE D001).

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