

DIV OF MALLINKRODT-BAKER(FORMALLY J.T. BAKER COMP) -- METHYL ETHYL KETONE --  
6810-00-687-8429

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

Product ID:METHYL ETHYL KETONE

MSDS Date:12/08/1995

FSC:6810

NIIN:00-687-8429

MSDS Number: BFLTL

=== Responsible Party ===

Company Name:DIV OF MALLINKRODT-BAKER(FORMALLY J.T. BAKER COMP)

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:908-859-2151/FAX 908-859-9318

Emergency Phone Num:800-424-9300(CHEMTREC)/908-859-2151

CAGE:LO824

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:DIV OF MALLINKRODT-BAKER(FORMALLY J.T. BAKER COMP)

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:908-859-2151/FAX 908-859-9318

CAGE:LO824

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:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)

%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM/300STEL;9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL RAT LD50: 2737MG/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL:CAUSES IRRIT TO  
NOSE/THROAT.CONCEN >TLV CAUSE HEAD,DIZZ,NAU,SHORTNESS OF  
BREATH,VOMIT.HIGHER CONCEN CA  
USE CNS DEPRESS,UNCONSC.INGEST:CAUSES  
IRRIT TO DIGESTIVE TRACT W/ABD SPASMS,NAU,VOMIT.LG DOS ES MAY CAUSE  
NARCOSIS.SKIN:CAUSES IRRITW/DISCOLORATION.EYE:VAP IRRIT.SPLASHES  
PRODUCE PAINFUL IRRIT,EYE DMG(SIGN/SYMPT)  
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,  
OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:HEALTH:CHRONIC:PROL SKIN CONTACT MAY DEFAT SKIN  
& PRODUCE DERM. IRRIT NOSE/THROAT/DIGESTIVE TRACT/SKIN/EYE.  
DISCOLOR SKIN,DIZZINESS,NAUSEA,SHO  
RTNESS OF BREATHING,VOMITING,CNS  
DEPRESS,UNCONSC,ABDOMINAL SPASMS,NARCOSIS,EYE DMG,DERMATITIS.  
Medical Cond Aggravated by Exposure:PERSONS W/PRE-EXISTING SKIN  
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCITON MAY BE  
MORE SUSCEPTIBLE TO EFFECTS OF SUBSTANCE.

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

First Aid:SWALLOWED INDUCE VOMIT IMMED AS DIRECTED BY MED PERSON.NEVER  
GIVE ANYTHING BY MOUTH IF UNCONSC.INHAL REMOVE TO FRESH AIR.NOT  
BREATH  
ING GIVE ART RESP;DIFFI IN BREATHING GIVE OXY.IN CASE OF  
CONTACT IMME D FLUSH EYE/SKIN W/PLENTY OF WATER FOR @LEAST  
15MINS.IN ALL CASES CALL PHYSICIAN.REMOVE CONTAM CLOTHING.WHEN  
FLUSHING EYES LIFT UPPER/LOWER EYELIDS OCCASIONALLY.

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

Flash Point Method:CC  
Flash Point:=-6.C, 21.2F  
Autoignition Temp:=-516.C, 960.8F  
Lower Limits:1.8  
Upper Limits:11.5  
Extinguishing Media:DRY CHEMICAL,FOAM OR CARBON DIOXIDE.WATER SPRAY MA

Y

BE USED TO KEEP FIRE EXPO CNTNRS COOL.

Fire Fighting Procedures:IN EVENT OF FIRE WEAR FULL PROT CLOTH/NIOSH APPROV SCBA W/FULL FCPIECE OPERATED IN PRESSURE DEMAND/OTHER +PRESSURE MODE.

Unusual Fire/Explosion Hazard:>FLASH PT VAP/AIR MIX EXPLO W/IN FLAMM LIMITS NOTED ABOVE.SENSITIVITY TO STATIC DISCHARGE:YES.HIGHLY FLAMM MUST BE KEPT FRM SPARK/OPN FLAME/HOT SURF/HEAT/(SUPP)

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

Spill Release Procedures:VENTI A  
REA.REMOVE ALL IGN SOURCE.WEAR APPRO PPE.ISOLATE HAZ AREA.KEEP UNNECESSARY/UNPROT PEOPLE FRM ENTER.CONTAIN/RECOVER LIQ.USE NON-SAPRK TOOL/EQPMT.COLLECT IN APPROP CNTNR/ABSORB W/INERT MATL.PLACE IN CHEM WASTE CNTNR.DONT USE COMBUST MATL.(SUPP)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP IN TIGHT CLSD CNTNR.PROTECT AGAINST PHY DMG.STORE IN COOL DRY WELL VENTI AREA AWAY FRM AREA

WHERE FIRE HAZ MAY BE ACUTE.PREF:OUTSIDE/DETACH STORG

Other Precautions:SEPARATE FRM OXID MATLS.BOND/GROUND CNTNR FOR TRANSF-AVOIDS STATIC SPARKS.STORAGE/USE AREA SHOULD BE NO SMOKING AREA.SPARK-PROOF TOOLS/EXPLO-PROOF EQPMT SHOULD BE USED IN STORAGE/HNDLG AREA.EMPTY CNTN R HAZ-RETAIN RESIDUE,OBSERVE WARN/PRECAU

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

Respiratory Protection:NIOSH APPROV.EXPO LIMIT EXCEEDED FULL FCPIECE RESP W/O  
RG VAP CARTRIDGE MAY BE WORN UP TO 10X EXPO LIMIT/MAX USE CONC SPEC BY RESP SUPPLIER WHICHEVER IS LESS.EMERG/EXPO LEVELS UNK USE +PRESSURE AIR SUP PL RESP.WARN:AIR PURI RESP DONT(SUPPLE)

Ventilation:LOC &/OR GEN EXHAU RECOMMENDED.LOC EXHAU VENTI GENERALLY PREFER-CONTROL EMISSIONS OF CONTAM @SOURCE,PREVENT DISPERSION.

Protective Gloves:IMPERV PROT GLOVES

Eye Protection:CHEM SAF GOGG &/OR FULL FACE SHIELD

Other Protective Equipment:REFER:ACGIH "INDUST VENTI,MANUAL OF RECOMMEND PRAC

T".USE EXPLO-PROOF EQPMT.IMPERV PROT CLOTH:BOOTS,LAB  
COAT,APRON,COVERA

Work Hygienic Practices:MAINTAIN EYEWASH FOUNTAIN & QUICK-DRENCH  
FACILITIES IN WORKAREA.

Supplemental Safety and Health

EXPLO/FIRE:IGN SOURCES.VAP CAN FLOW ALONG SURF TO DISTANT IGN  
SOURCE;FLASHBK. SPILL:DONT FLUSH TO SEWER.WHATEVER CANT BE SAVE FOR  
RECOV/RECYCL HNDL AS HAZ WASTE-SEND TO RCRA APPROV WASTE  
FACIL.REPORT SPILL/RELEASE IN EXCESS QUANT.RQ:5000LB.DISPO:IAW  
FED/STATE/LOC REQMTS.SARA 313 CHEM.

RCRA:U159. RESP:PROTECT IN  
OXY-DEF

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

HCC:F3

Boiling Pt:B.P. Text:176F,80C

Melt/Freeze Pt:M.P/F.P Text:-123F,-86C

Decomp Temp:Decomp Text:NP

Vapor Pres:100

Vapor Density:2.5

Spec Gravity:0.805

pH:NP

Viscosity:NP

Evaporation Rate & Reference:2.7, ETHER=1

Solubility in Water:29G/100G WATER.

Appearance and Odor:CLEAR, COLORLESS LIQUID, SHARP MINT-LIKE ODOR

Percent Volatiles by Volume:100

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

OXIDIZ MATLS,CHLOROFORM,CHLOROSULFONIC

ACID,OLEUM,POTASSIUM-T-BUTOXIDE,H2O2,NITRIC ACID.ATTACT MANY  
PLAST,RESINS,RUBBER.

Stability Condition to Avoid:HEAT OR FLAME

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOIXDE MAY  
FORM WHEN HEATED TO DECOMPOSITION.

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

Waste Disposal Methods:PROCESS/USE/CONTAM OF PROD MA

Y CHANGE WASTE

MANGM OPTIONS.STATE/LOC DISPO REGS MAY DIFFER FRM FED.US REGS  
REQUIRE REPORT SPILL/RELEASE TO SOIL/H2O/AIR IN EXCESS OF RQ.COAST  
GUARD NAT RESP CNTNR 800-42 4-8802.RQ:5000LBS.DISPO CNTNR/UNUSED  
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