

FISHER SCIENTIFIC CO;CHEMICAL MFG DIV. -- METHYL ETHYL KETONE -- 6810-00-985-7098  
===== Product Identification =====

Product ID:METHYL ETHYL KETONE

MSDS Date:06/28/1988

FSC:6810

NIIN:00-985-7098

MSDS Number: BGSLB

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO;CHEMICAL MFG DIV.

Address:1-REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100

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ncy Phone Num:201-796-7100

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

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

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 100%

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rp

t Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL RAT 2737 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN,MUCOUS

MEMBRANE AND RESPIRATORY TRACT;CNS EFFECTS;CNS

DEPRESSION;HEADACHE,DIZZINESS,NAUSEA,VOMITING:CHRONIC:CONJUNCTITIS,  
DERMATITIS,DEFATTING OF SKIN,LUNG DISEASE.

Effects of Overexposure:SEE HEALTH HAZARDS DATA.

Medical Cond Aggravated by Exp

osure:PRE-EXISTING CONDITIONS MAY BE  
WORSEN.

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

First Aid:EYES AND SKIN:FLUSH WITH PLENTY OF WATER FOR ABOUT 15

MINUTES;CALL A PHYSICIAN.INHALATION:REMOVE TO FRESH AIR;CONSULT A

PHYSICIAN. INGESTION:IF CONCIOUS,INDUCE VOMITING;CALL A PHYSICIAN  
IMMEDIATELY.NO SPECIFIC ANTIDOTE.

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

Flash Point Method:CC

Flash Point:16F/-9C

Autoignition Temp:Autoig

nition Temp Text:759F

Lower Limits:1.4

Upper Limits:11.4

Extinguishing Media:DRY CHEMICAL,CO\*2,HALON,WATER SPRAY,FOAM

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED  
AREA;COOL FIRE EXPOSED CONTAINERS WITH WATER OR WATER SPRAY.

Unusual Fire/Explosion Hazard:VAPOR-AIR MIXTURES ARE EXPLOSIVE ABOVE  
FLASH POINT.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;ELIMINATE ALL  
IGNITION SOURCES;C

CONTAIN IN FREE LIQUID IF POSSIBLE:USE SUITABLE  
INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:STORE IN COOL,DRY WELL VENTILATED  
AREA;KEEP AWAY FROM HEAT,OPEN FLAMES.KEEP CONTAINER CLOSED WHEN NOT  
IN USE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC  
VAPORS/MIST IF ABOVE PEL/T  
LV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL EXHAUST/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:IMPERIOUS

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,EYE-WASH FACILITIES.

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE  
VAPOR/MIST;WASH THOROUGHLY AFTER EACH USE:DO NOT SMOKE,EAT/DRINK  
WORK-AR

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=80.C, 176.F

Melt/Freeze Pt:=-86.1C, -123.F

Vapor Pres:100 MMHG

Vapor Density:2.5

Spec Gravity:0.8054

Viscosity:0.40 CPS

Evaporation Rate & Reference:2.7 (ETHER=1)

Solubility in Water:APPRECIABLE (27.5%)

Appearance and Odor:COLORLESS LIQUID WITH AN ACETONE-LIKE ODOR.

=====  
Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZER,PLASTIC.

Stability Condition to Avoid:EXTREME HEAT,OPEN FLAMES

Hazardous Decomposition Products:TOXIC OXIDES OF

# CARBON

## ===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF COLLECT MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

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