

## **METHYL ETHYL KETONE**

### **MSDS Number**

BHCJX

### **National Stock Number**

6810-00-281-2762

### **Product Name**

METHYL ETHYL KETONE

### **Manufacturer**

EXXON CORP EXXON CHEMICAL AMERICAS DIV

### **Product Identification**

Product ID:METHYL ETHYL KETONE

MSDS Date:11/19/1993

FSC:6810

NIIN:00-281-2762

MSDS Number: BHCJX

### **Responsible Party**

EXXON CORP,EXXON CHEMICAL AMERICAS DIV

HOUSTON , TX 77001

US

Emergency Phone: 713-870-6000,800-424-9300(CHEMTREC)

Info Phone: 713-870-6000

Cage: LO127

### **Contractor**

EXXONMOBIL CHEMICAL CO, DIV OF EXXON MOBILCORP.

3272

HOUSTON, TX 77253-3272

US

281-870-6000 / 800-726-2015

Cage: 72190

### **Ingredients**

METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS: 78-93-3

RTECS: EL6475000

Fraction By Weight: 100%

OSHA PEL200 PPM/300 STEL

ACGIH TLV: 200 PPM/300STEL 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

### **Hazards**

LD50 LC50 Mixture:TLV: 200 PPM

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: SEVERLY IRRITATING. IF NOT  
REMOVED PROMPTLY, MAY RESULT IN PERMANENT DAMAGE. SKIN: PROLONGED  
CONTACT MAY IRRITATE AND CAUSE DERMITITIS. INHALATION: VAPORS ARE

IRRITATING TO RESPIRATORY TRACT AND MAY AFFECT THE CNS. INGESTION: LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION MAY CAUSE PULMONARY EDEMA.

Explanation of Carcinogenicity: THE COMPONENTS OF THIS PRODUCT HAVE NOT SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure: INHALATION: MAY CAUSE HEADACHE AND DIZZINESS.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid: EYES: FLUSH WITH LARGE AMOUNT OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR.

GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. KEEP AT REST. GET MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method: TCC

Flash Point: 25.0F, -3.9C

Autoignition Temp: Autoignition Temp Text: 860F

Lower Limits: 1.8

Upper Limits: 11.5

Extinguishing Media: USE WATER FOG, ALCOHOL TYPE FOAM, OR DRY CHEMICAL.

USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES.

Fire Fighting Procedures: EITHER ALLOW FIRE TO BURN UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH ALCOHOL TYPE FOAM AND DRY CHEMICAL.

TRY TO COVER LIQUID SPILLS WITH FOAM.

Unusual Fire/Explosion Hazard: "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE DANGEROUS. DO NOT CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO SOURCES OF IGNITION.

## Accidental Release

Spill Release Procedures: ELIMINATE SOURCES OF IGNITION. PREVENT ADDITIONAL DISCHARGE OF MATERIAL, IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS IMPLEMENT CLEANUP PROCEDURES.

## Handling

Handling and Storage Precautions: STORAGE TEMPERATURE: AMBIENT. USE PROPER GROUNDING EQUIPMENT.

Other Precautions: NONE.

## Exposure Controls

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation: THE USE OF MECHANICAL DILUTION VENTILATION IS RECOMMENDED WHENEVER THIS PRODUCT IS USED IN CONFINED SPACES.

Protective Gloves: LONG SLEEVED CHEMICAL RESISTANT GLOVES

Eye Protection: CHEMICAL SAFETY GOGGLES AND FACESHIELD

Other Protective Equipment: WEAR LONG SLEAVES. HAVE EYE WASH STATION AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

## Chemical Properties

HCC: F2

Boiling Pt: B.P. Text: 175 TO 177F

Melt/Freeze Pt: M.P/F.P Text: Vapor Pres: 83 AT 75F

Vapor Density: > 1.0, AIR = 1

Spec Gravity: 0.81

Viscosity: 1 CST @ 68F

Evaporation Rate & Reference: 6.0 (N-BUTYL ACETATE = 1)

Solubility in Water: 26 WT % AT 68F

Appearance and Odor: CLEAR COLORLESS LIQUID.

Percent Volatiles by Volume: 100

## Stability

Stability Indicator/Materials to Avoid: YES  
CAUSTICS, AMINES, ALKANOLAMINES, ALDEHYDES, AMMONIA, STRONG OXIDIZING AGENTS, AND CHLORINATED COMPOUNDS.  
Hazardous Decomposition Products: NONE

## Disposal

Waste Disposal Methods: CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

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