

UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV -- METHYL ETHYL KETONE --
6810-00-264-8983

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

Product ID:METHYL ETHYL KETONE

MSDS Date:07/16/1987

FSC:6810

NIIN:00-264-8983

MSDS Number: BQCRB

=== Responsible Party ===

Company Name:UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:800-

822-4357

Emergency Phone Num:800-822-4357

CAGE:61637

=== Contractor Identification ===

Company Name:TULSTAR PRODUCTS INC

Address:1722 S CARSON, SUITE 2907

Box:City:TULSA

State:OK

ZIP:74119

Country:US

Phone:918-587-7878/FAX -3297 (DAVID COOK)

CAGE:0F2M5

Company Name:UNION CARBIDE CORP

Address:39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

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

Ingred Name:

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

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 100%

Other REC Limits:NONE NORMALLY REQUI.

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

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

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

Health Hazards Acute and Chronic:ACUTE-EYES/SKIN:IRRITATION.

INHALATION:IRRIT

ATION TO THE RESPIRATORY TRACT. INGESTION:

MODERATELY TOXIC. ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL

PNEUMONITIS WHICH CAN BE FATAL. CHRONIC- CNS DEPRESSIO N, NARCOSIS.

Explanation of Carcinogenicity:DATA PER MSDS

Effects of Overexposure:IRRIT OF NOSE, THROAT, EYES. INHALATION:

HEADACHE, NAUSEA, DIZZINESS, AND INCOORDINATION. INGESTION: NAUSEA,
VOMITING AND DIARRHEA.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS

OR WITH A PRE-EXISTING DISEASE INVOLVI

NG THE EYES, SKIN, OR

RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.

GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE

VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:21.0F,-6.1C

Lower Limits:1.8

Upper Limits:10

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOS

ED TO FIRE.

Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL A LONG DISTANCE AND MAY GET IGNITED AT LOCATIONS DISTANT FROM HANDLING POINTS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION; CONTAIN FREE MATERIAL IF POSSIBLE; USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

===== Handling and Storage =====
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH AP
PROVED RESPIRATOR AS REQUIRED IF
ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental

Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:F2

Boiling Pt:=79.4C, 175.F

Vapor Pres:71 MMHG

Vapor Density:2.49

Spec Gravity:0.8061

Evaporation Rate & Reference:6.31 (BUTL ACT=1)

Solubility in Water:24% BY WT

Appearance and Odor:CLEAR LIQUID, NON-RESIDUAL ODOR

Percent Volatiles by Volume:100

===== Stability and Reactivity Data

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Stability Indicator/Materials to Avoid: YES

ALKALINE MATERIALS, MINERAL ACIDS, HALOGENS

Stability Condition to Avoid: HIGH TEMP, OPEN FLAMES.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND
OTHER UNIDENTIFIED COMPONENTS.

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

Waste Disposal Methods: CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE MADE
IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND
REGULATIONS.

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