

UNOICAL CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA -- METHYL ETHYL KETONE --
6810-00-281-2785

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

Product ID:METHYL ETHYL KETONE

MSDS Date:06/07/1990

FSC:6810

NIIN:00-281-2785

MSDS Number: BJQBG

=== Responsible Party ===

Company Name:UNOICAL CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA

Address:1345 N. MEACHAM RD

City:SCHAUMBURG

State:IL

ZIP:60196

Country:US

Info Phone

Num:312-619-2644/CHEMTREC 800-424-9300

Emergency Phone Num:800-356-3129 (POISON CONTROL CNTR)

CAGE:KO777

=== 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:UNOCAL CHEMICALS DIV.,UNION OIL OF CALIFORNIA

Address:1345 N MEACHAM

Box:City:SCHAUMBURG

State:IL

ZIP:60196

Phone:312-490-2500/800-424-9300(CHEMTREC)

CAGE:94684

Company Name:UNOICAL

CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA

Address:1345 N. MEACHAM RD

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Phone:312-619-2644/CHEMTREC 800-424-9300

CAGE:KO777

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

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

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 99- 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:EYE:MAY CAUSE
IRRITATION,STINGING,TEARING,REDNESS,SWELLING.SKIN:PROLONGED/REPEATE
D SKIN CONTACT MAY CAUSE BURNING,DRYNESS.INHALATION:LOW ORDER OF
TOXICITY BUT HIGH CONCENTRATION MAY CAUSE IRRITATION,DIZZINESS &
CNS DEPRESSION.INGESTION:CNS
DEPRESSION,DIZZINESS,HEADACHE,
DROWSINESS.CHRONIC-NOT GIVEN.
Effects of Overexposure:SEE HEALTH HAZARDS SECTION. NOTE: INTENTIONAL
MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY
BE HARMFUL OR FATAL. ASPIRATION INTO THE LUNG MAY CAUSE LUNG
INFLAMMATION AND DAMAGE.
Medical Cond Aggravated by Exposure:RESPIRATORY SYMPTOMS ASSOCIATED
WITH PRE-EXISTING LUNG DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO
THIS MATERIAL.

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

First A
id:CALL A PHYSICIAN.INHALATION:REMOVE TO FRESH AIR.GIVE
OXYGEN/CPR IF NEEDED.EYE:FLUSH WITH WATER FOR 15 MINUTES HOLDING
EYELIDS APART.SKIN:REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN
WITH MILD SOAP & WATER.INGESTION:IF LARGE AMOUNT HAS BEEN TAKEN(5
OZ),A DOCTOR SHOULD INDUCE VOMITING.

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

Flash Point Method:TCC
Flash Point:=-4.4C, 24.F
Lower Limits:1.8
Upper Limits:11.4
Extinguishing Media:USE WATER FOG, CARB
ON DIOXIDE, ALCOHOL FOAM, DRY
CHEMICAL AND HALON. WATER MAY BE INEFFECTIVE.
Fire Fighting Procedures:SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED
OR CONFINED SPACES WHEN FIGHTING FIRE OF THIS PRODUCT.USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL CONSIDERABLE DISTANCE
TO A SOURCE OF IGNITION WHERE THEY MAY IGNITE,FLASH BACK OR
EXPLODE.VAPORS ARE HEAVIER THAN AIR.CONTAINERS MAY EXPLODE.

==== Accidenta

I Release Measures =====

Spill Release Procedures:RECOVER FREE PRODUCT.ADD SAND,EARTH OR OTHER SUITABLE ABSORBENT TO SPILL AREA.MINIMIZE BREATHING VAPORS.MINIMIZE SKIN CONTACT.OPEN ALL WINDOWS & DOORS.KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DI KING OR IMPOUNDING,OTHERWISE CALL AUTHORITIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH

ADEQUATE VENTILATION.KEEP AWAY FROM FLAMES,SPARKS,SUN LIGHT AND STRONG OXIDANTS.

Other Precautions:"EMPTY"CONTAINERS RETAIN RESIDUE.DO NOT PRESSURIZE,CUT,WELD,BRAZE,SOLDER,DRILL,GRIND OR EXPOSE THEM TO HEAT OR ANY OTHER SOURCES OF IGNITION.THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES OR A GAS MASK IF NEEDED.

Ventilation:USE LOCAL EXHAUST TO CAPTURE VAPOR,MISTS OR FUMES,IF NECESSARY.USE EXPLOSION PROOF VENTILATION APPARATUS.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING.

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

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=79.4C, 175.F

Vapor Pres:70

Vapor Density:2.5

Spec Gravity:0.806

Evaporation Rate & Reference:4.6 (N-BUTYL ACETATE=1)

Solubility in Water:5.9 %

Appearance and Odor:CLEAR LIQUID,CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS OR BASES,OXIDIZERS,ALKALI META

LS AND HALOGENS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:FUMES,SMOKE,CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. IF SPILL IN EXCESS OF EPA REPORTABLE QUANTITY (5000 LBS) IS MADE INTO THE ENVIRONMENT,NOTIFY THE NATIONAL RESPONSE CENTER (800-424-8802).

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