

VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP -- METHYL ETHYL KETONE --
6810-00-687-8429

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

Product ID:METHYL ETHYL KETONE

MSDS Date:01/01/1993

FSC:6810

NIIN:00-687-8429

MSDS Number: BFLTN

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP

Address:2256 JUNCTION AVENUE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Info Phone Num:408-435

-8700

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:DOUGLAS EISNER

CAGE:0AN91

=== 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:VAN WATERS AND ROGERS

Address:2256 JUNCTION AVE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Phone:408-435-8700/800-424-9300(CHEMTREC)

CAGE:0AN91

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

=====

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

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: >99%

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

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

LD50 LC50 Mixture:ORAL RAT=2737MG/KG; DERMAL RABBIT:13G/KG

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: IRRITATION TO THE RESPIRATORY TRACT. INGESTION:
MODERATELY TOXIC. ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL
PNEUMONITIS WHICH CAN BE FATAL. CHRONIC- CNS DEPRESSI ON, NARCOSIS.

Explanation of Carcinogenicity:DATA PER MSDS

Effects of Overexposure:SKIN:DRYNESS, IRRITATION. EYES:REDNESS AND
IRRITATION. INHALATION:IRRITATION OF NOSE, THROAT, EYES, 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 INVOLVING THE EYES, SKIN, OR
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

===== 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 A

TTENTION. SKIN:

REMOV E CONTAMINATED CLOTHING. WASH WITH SOAPAND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-5.C, 23.F

Lower Limits:1.8

Upper Limits:11.5

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

Fire Fighting Procedures:FIRE FI

WORKERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED 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 =====

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 APPROVED 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 Hygiene

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

Melt/Freeze Pt:-86.7C, -124.F

Vapor Pres:74.9 MMHG

Vapor Density:2.49

Spec Gravity:0.806

Evaporation Rate & Reference:

3.8 (BUTYL ACET=1)

Solubility in Water: APPRECIABLE 24% BY WT

Appearance and Odor: CLEAR COLORLESS LIQUID, PUNGENT ODOR

Percent Volatiles by Volume: 100

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

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.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.