

VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP -- METHYL ISOBUTYL KETONE --
6810-00-052-1371

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

Product ID:METHYL ISOBUTYL KETONE

MSDS Date:01/01/1990

FSC:6810

NIIN:00-052-1371

MSDS Number: BJPJF

=== 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:4

08-435-8700

Emergency Phone Num:415-573-8000/800-424-9300(CHEMTREC)

CAGE:0AN91

=== Contractor Identification ===

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 ISOBUTYL KETONE (SARA III)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/75 STEL

AC

GIH TLV:50 PPM/75 STEL; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2080 MG/KG

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

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

Health Hazards Acute and Chronic:INHALATION OF VAPORS CAUSES IRRITATION OF THE NOSE AND THROAT, HEADACHE, NAUSEA, COUGHING, CHEST PAINS,VOMITING, AND COMA. CAUSES EYE IRRITATION ON CONTACT.

HIGH
CONCENTRATIONS MAY CAUSE KIDNEY AND LIVER DAMAGE. HANDLING MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION OF VAPORS MAY CAUSE NAUSEA, VOMITING, HEADACHE, OR LOSS OF CONSCIOUSNESS. INGESTION MAY CAUSE DIZZINESS AND VOMITTING.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, LUNGS OR

CNS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTE S HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. GET MEDICAL ADVICE IF IRRITATION PERSISTS. I

NGESTION: GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:61.0F,16.1C

Lower Limits:1.2

Upper Limits:8.0

Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES; USE ALCOHOL FOAM FOR LARGER FIRES.

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

RE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. ELIMINATE ALL IGNITION SOURCES. STOP LEAK IF POSSIBLE WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. ABSORB WITH SAND OR OTHER INERT MATERIAL AND PLACE INTO DISPOSAL CONTAINER.

Neutralizing Agent:DILUTE WITH WATER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED FLAMMABLE LIQUID AREA. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID BREATHING VAPOR. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE VENTILATION. IN CASE OF FIRE, USE WATER SPRAY, ALCOHOL FOAM, DRY CHEMICAL, OR CARBON DIOXIDE. FLUSH SPILL AREA WITH WATER SPRAY.

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Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR FOR CONCENTRATIONS UP TO 1000 PPM. WEAR SELF-CONTAINED BREATHING APPARATUS FOR HIGHER LEVELS OF AIRBORNE CONTAMINATES.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST RECOMMENDED FOR ENCLOSED AREAS TO MEET TLV REQUIREMENTS.

Protective Gloves:BUTYL RUBBER OR PVA

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

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

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE PRACTICES. LAUNDER CONTAMINATED CLOTHING BEFORE WEARING. FLUSH SPILL AREA WITH WATER SPRAY.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE USE. DO NOT CUT,GRIND,WELD, OR DRILL ON OR

NEAR CON
TAINERS OF THIS MATERIAL.

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

HCC:F2
Boiling Pt:=116.1C, 241.F
Melt/Freeze Pt:=-84.C, -119.2F
Vapor Pres:15 @20C
Vapor Density:3.5
Spec Gravity:0.8015
Evaporation Rate & Reference:1.6 (N-BUTYL ACETATE=1)
Solubility in Water:MODERATE
Appearance and Odor:COLORLESS LIQUID;SHARP ODOR
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to
Avoid:YES
STRONG OXIDIZING AGENTS, ALKALINE MATERIALS, MINERAL ACIDS, HALOGENS.
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE,
OTHER UNIDENTIFIED ORGANIC COMPOUNDS IN BLACK SMOKE.

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

Waste Disposal Methods:DISPOSAL OF UNUSED MATERIAL IS A LAND-BANNED
HAZARDOUS WASTE (CODE=U161) AND SHOULD BE MADE IN ACCORDANCE WITH
ALL APPLIC
ABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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