

VAN WATERS AND ROGERS INC -- METHYL ISOBUTYL KETONE -- 6810-00-052-1371

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Product Identification  
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Product ID:METHYL ISOBUTYL KETONE

MSDS Date:01/01/1994

FSC:6810

NIIN:00-052-1371

MSDS Number: BTZTR

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC

Address:6100 CARILLON PT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Info Phone Num:206-889-3712/909-683-5165

Emergency Phone N

um:206-889-3712/800-424-9300(CHEMTREC)

Preparer's Name:CHARLES EISENHARD

CAGE:0STM5

=== 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:VOPAK USA INC

Address:6100 CARILLON POINT

Box:City:KIRKLAND

State:WA

ZIP:98033-7357

Country:US

Phone:425-889-3400/425-889-3617

CAGE:0STM5

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Composition/Information on Ingredients  
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ingred Name:NO INGREDIENT FOR THIS FORMULATION\_INGREDIENT

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===== Hazards Identification =====  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 2080 MG/KG (RTECS).  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, CNS, LUNGS.  
ACUTE- EYE:MAY CAUSE IRRITATION, REDNESS, TEARING, INJURY.  
SKIN:PROLONGED/REPEATED CONTACT MAY IRRITATE & CAUSE DERMATITIS.

INHALE:MAY CAUSE RESPIRATORY TRACT IRRITATION, ANESTHETIC & CNS  
EFFECTS. ORAL:IF ASPIRATED, MAY CAUSE CHEMICAL PNEUMONITIS.  
CHRONIC- MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYE IRRITATION, TEARING, SKIN IRRITATION,  
DEFATING, DERMATITIS, RESPIRATORY TRACT IRRITATION, ANESTHETIC  
EFFECTS, GASTROINTESTINAL TRACT IRRITATION, NAUSEA, HEADACHE,  
DIZZINESS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASES  
INVOLVING T

HE EYES, SKIN OR LUNGS MAY BE AT INCREASED RISK FROM  
EXPOSURE.

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===== First Aid Measures =====  
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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH  
SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS  
OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.  
ORAL:DO NOT INDUCE VOMITING. KEEP AT REST. CALL PHYSICIAN.

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===== Fire Fighting Measures =====  
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Flash Point Method

:TCC

Flash Point:63.0F,17.2C

Lower Limits:1.2

Upper Limits:8.0

Extinguishing Media:DRY CHEMICAL, WATER SPRAY, ALCOHOL FOAM. WATER MAY  
BE INEFFECTIVE, BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL  
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITI

ON AND FLASH BACK.

CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT MATERIAL SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM SPARKS & INCOMPATIBLES. BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID.

Other Precautions:"EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL VAPOR CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER OR PVA

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

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. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE USE.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

LEVANT

Boiling Pt:B.P. Text:237F - 243F

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:1 @ 50F

Vapor Density:3.45

Solubility in Water:2% @ 68F

Appearance and Odor:CLEAR COLORLESS LIQUID WITH CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, CHLORINATED COMPOUNDS, CAUSTIC AMINES,  
AMMONIA, ALKANOLAMINES, ALDEHYDES

Stabil

ity Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN  
FLAMES, STATIC ELECTRICITY

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.  
RECOMMENDED PROCEDURE IS BY INCINERATION.

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