

VAN WATERS AND ROGERS INC -- METHANOL -- 6810-00-687-8056

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

Product ID:METHANOL  
MSDS Date:04/12/1988  
FSC:6810  
NIIN:00-687-8056  
MSDS Number: BHKCQ  
=== Responsible Party ===  
Company Name:VAN WATERS AND ROGERS INC  
Address:2600 CAMPUS DRIVE  
Box:5932  
City:SAN MATEO  
State:CA  
ZIP:94403-2522  
Country:US  
Info Phone Num:LOCAL VAN WATERS & ROGERS BRANCH  
Emergency Phone Num:800  
-424-9300 (CHEMTREC)  
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

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

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA I

II)  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: >99%  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 5628 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:ACUTE: INHALE: MILD INTOXICATION.  
TOXIC EFFECTS ARE EXERTED ON THE CNS, ESPECIAL  
LY THE OPTIC NERVE.  
EYE: LIQUID AND MISTS WILL IRRITATE AND MAY BURN THE EYES. SKIN:  
IRRITATION, DERMATITIS, AND SYSTEMI C CHANGES. INGEST: 100-150 ML.  
MAY BE FATAL! LESSER AMOUNTS- BLINDNESS, DIZZINESS, HEADACHES, OR  
NAUSEA.  
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:SEE HEALTH HAZARDS. CHRONIC HAZARDS: PROLONGED  
OR REPEATED EXPOSURE MAY RESULT IN CNS DAMAGE, BLINDNESS, DAMA  
GE TO  
PANCREAS, OR DEATH.  
Medical Cond Aggravated by Exposure:NONE REPORTED.

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

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. MAINTAIN BREATHING  
AND GET DR. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET  
IMMEDIATE MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. REMOVE  
CONTAMIN ATED CLOTHING. SEE DR. IF IRRITAION PERSISTS. INGESTION:  
IMMEDIATELY INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:52.0F,11.1C  
Lower Limits:6  
Upper Limits:36.5  
Extinguishing Media:USE CARBON DIOXIDE, ALCOHOL FOAM, DRY CHEMICAL, OR  
WATER SPRAY. DO NOT USE A DIRECT WATER STREAM.  
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 FIRE.  
Unusual Fire/Explosion Hazard:EXTIN

EXTINGUISH ALL NEARBY SOURCES OF IGNITION. THIS PRODUCT MAY BURN WITH A FLAME WHICH IS INVISIBLE IN DAYLIGHT. MIXTURES WITH WATER AND 21% METHANOL ARE FLAMMABLE

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. EXTINGUISH ALL IGNITION SOURCES. ABSORB WITH NON-COMBUSTIBLE SORBENT MATERIAL, AND PLACE IN APPROVED CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS AND SURFACE WATER.

Neutralizing Agent:NONE APPLICABLE FOR THIS MATERIAL

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED.

Other Precautions:CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA IS NOT VENTED.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS

REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:148F,64C

Melt/Freeze Pt:M.P/F.P Text:-144F,-98C

Vapor Pres:96

Vapor Density:1.1

Spec Gravity:0.79

Evaporation Rate & Reference:>2 (BUTYL ACETATE=1)

Solubility in Water:100

App

Appearance and Odor:COLORLESS LIQUID, MILD ALCOHOL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ALUMINUM, ZINC, ANY METAL THAT DISPLACES HYDROGEN, CERTAIN PLASTICS, RUBBERS, ACIDS, ALKALIS.

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

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, FORMALDEHYDE AND UNIDENTIFIED ORGANIC COMPOUNDS IN BLACK SMOKE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES, GASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL.

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