

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

===== 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

===== 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

===== 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.

===== 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

GUISH 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 FO
R 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. LAUNDER 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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