

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.

=
=====
===== 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.

=====

===== 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.

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.