

UNOCAL CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA -- METHANOL (AMSCO SOLVE 5030) --
6810-01-027-4771

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

Product ID:METHANOL (AMSCO SOLVE 5030)

MSDS Date:10/12/1988

FSC:6810

NIIN:01-027-4771

MSDS Number: BHBYW

=== Responsible Party ===

Company Name:UNOCAL CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA

Address:1345 N. MEACHAM

City:SCHAUMBURG

State:IL

ZIP:60196

Country:

US

Info Phone Num:312-619-2644

Emergency Phone Num:800-356-3129 (POISON CONTROL CNTR)

CAGE:94684

=== 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:UNOCAL CHEMICALS DIV.,UNION OIL OF CALIFORNIA

Address:1345 N MEACHAM

Box:City:SCHAUMBURG

State:IL

ZIP:60196

Phone:312-490-2500/800-424-9300(CHEMTREC)

CAGE:94684

===== Composition/Informat

ion on Ingredients =====

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 99-100%

OSHA PEL:S,200PPM/250STEL

ACGIH TLV:S,200PPM/250STEL; 93

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

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

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

Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO BODY TISSUES.

IT IS

ABSORBED THROUGH THE SKIN BUT IS NOT NORMALLY TOXIC BY THIS ROUTE. TOXICITY AFFECTS THE CENTRAL NERVOUS SYSTEM AND ALSO TARGETS THE OPTIC NERVES INDUCING B LINDNESS. CHRONIC OVEREXPOSURES MAY LEADTO PAINTERS' SYNDROME

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES:IRRITATION SKIN:IRRITATION,MAY BE ABSORBED. INHALED:MAY CAUSE DIZZINESS, HEADACHE & NAUSEA, CENATRAL NERVOUS S

YSTEM DEPRESSION,PLUS VISUAL PROBLEMS INCLUDING BLINDNESS.

INGESTED:G/I IRRITATION,D ROWSINESS, DIZZINESS ABDOMINAL PAIN VISUAL DISTERBANCES INCLUDING BLINDNESS, CONVULSIONS.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.

GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.

INGESTION:INDUCE VOMITING BY GIVING SYRUP OF IPECAC OR FINGERS IN THROAT. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL IMMEDIATE MEDICAL ATTN.

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

Flash Point Method:TCC

Flash Point:52.0F,1

1.1C

Lower Limits:7.3

Upper Limits:36.0

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

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:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING.

===== Accidental Release

Measures =====

Spill Release Procedures:SMALL SPILL: WIPE/SOAK UP WITH PAPER TOWEL OR INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. REMOVE RESIDUE WITH WATER.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BR EATHE MIST. AVOID

PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

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

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

Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GLASSES OR GOGGLES OR FACE SHIELD

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

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. D

O NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.

Supplemental Safety and Health

PRODUCT CODE 15030 (FORMERLY 5030). MSDS NO.6276.

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

HCC:F2

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

Vapor Pres:96 MM

Vapor Density:1.1

Spec Gravity:0.792

pH:UNKNON

Evaporation Rate & Reference:3.50 (N-BUTYL ACETATE =1)

Solubility in Water:100%

Appearance and Odor:CLEAR, COLORLESS LIQUID - ALCOHOL ODOR.

Percent Volatiles by Volume:100

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS OR BASES

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

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 LAWS AND REGULATIONS. HMIS
SUGGESTS INCINER
ATION.

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