

METHANEX METHANOL COMPANY -- METHANOL -- 6810-00-275-6010

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

Product ID:METHANOL

MSDS Date:01/01/1992

FSC:6810

NIIN:00-275-6010

MSDS Number: CHMBR

=== Responsible Party ===

Company Name:METHANEX METHANOL COMPANY

Address:14651 DALLAS PARKWAY SUITE 905

City:DALLAS

State:TX

ZIP:75240

Country:US

Info Phone Num:214-702-0910 (FAX)

Emergency Phone Num:800-424-9300(CHEMTRE  
C)

CAGE:OMGMC

=== Contractor Identification ===

Company Name:JEM SALES INC INCHEMCO DIV

Address:430 LAVENDER DR

Box:City:ROME

State:GA

ZIP:30165-2262

Country:US

Phone:706-232-1709

CAGE:0AZD7

Company Name:METHANEX METHANOL COMPANY

Address:14651 DALLAS PARKWAY SUITE 905

Box:City:DALLAS

State:TX

ZIP:75240

Country:US

Phone:800-424-9300(CHEMTREC)

CAGE:OMGMC

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

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

CAS:67-56-1

RTECS #:PC1

400000  
Fraction by Wt: 100.00%  
Other REC Limits:NONE RECOMMENDED  
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) 5628 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE EXPOSURE: METHANOL IS A  
POISONOUS, NARCOTIC CHEMICAL THAT MAY EXERT ITS EFFECTS THROUGH  
INHALATION, SKIN ABSORPTION OR INGESTION. BODY ELIMINATION OF  
METHANOL IS SLOW, AND THE TOXIC EFFECTS CAN BE COMPOUNDED BY  
REPEATED EXCESSIVE EXPOSURES OVER SEVERAL DAYS. CHRONIC EXPOSURE:  
IMPAIRED VISION.  
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP  
OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.  
Effects of Overexposure:TOXIC EFFECTS ARE EXERTED UPON THE NERVOUS  
SYSTEM, EXPECIALLY THE OPTIC NERVE. INGESTION CAN PRODUCE  
BLINDNESS. SYMPTOMS INCLUDE DIZZINESS, BLURRING OF VISION, NAUSEA,  
CARDIAC DEPRESSION, MUSCULAR INCOORDINATION AND NARCOSIS. SOLVENT  
ACTIONCAN DRY THE SKIN AND CAUSE DERMATITIS.  
Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING SKIN  
DISORDERS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. IF  
SYMPTOMS PERSIST, GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH  
WITH RUNNING  
WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN:  
IMMEDIATELY FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING.  
IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION. INGESTION: IF  
CONSCIOUS, GIVE GLASS OF WATER TO DRINK & INDUCE VOMITING. GET  
MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:54.0F,12.2C  
Lower Limits:6  
Upper Limits:36  
Extinguishing Media:WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY

MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE WHEN FIRE IS IN AN ENCLOSED PLACE.

Unusual Fire/Explosion Hazard:FLAMES MAY BE INVISIBLE. WHEN EXPOSED TO HEAT, SPARKS OR FLAMES, METHANOL CAN REACT VIGOROUSLY WITH OXIDIZING AGENTS. IT IS A MODERATE EXPLOSION HAZARD.

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

Spill Release Procedures:WEAR PROPER PROTECTION EQUIPMENT. ELIMINATE ALL SOURCES OF IGNITION. SOAK UP SMALL SPILLS WITH SUITABLE ABSORBENT MATERIAL AND REMOVE TO A CHEMICAL DISPOSAL AREA. FOR LARGE QUANTITIES, DIKE TO RETAIN METHANOL. VACUUM UP INTO DISPOSAL CONTAINER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A WELL VENTILATED FIRE-PROOF AREA. KEEP AWAY FROM HEAT AND IGNITION SOURCES. NO SMOKING IN AREAS OF STORAGE OR USE. USE SPARK-PROOF TOOLS.

Other Precautions:PREVENT SKIN CONTACT! DO NOT BREATHE VAPORS! THIS MATERIAL IS POISONOUS WHEN INTRODUCED INTO THE BODY METABOLISM. DO NOT INGEST. NIOSH RECOMMENDS PROMPT EYE EXAMINATIONS FOR EYE CONTACT WITH METHANOL OR FOR ANY OVEREXPOSURE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED AIR-SUPPLIED OR SELF-CONTAINED RESPIRATORS ABOVE TLV. A FULL FACEPIECE IS REQUIRED ABOVE 2000 PPM.

Ventilation:PROVIDE ADEQUATE VENTILATION TO MEET TLV REQUIREMENTS. EXHAUST VENTILATION WITH 100 CFM MINIMUM SHOULD BE USED.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

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

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PRO

CECURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health  
NONE

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

HCC:F2

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

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

Vapor Pres:100 @ 21C

Vapor Density:1.11

Spec Gravity:0.7928

Evaporation Rate & Reference:1 (CCL2=1)

Solubility in Water:COMPLETE

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

Percent Volatiles by Volume:100

=====

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

Stability Indicator/Materials to Avoid:YES

ALKALI METALS, STRONG BASES, STRONG OXIDIZERS

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER  
SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF LARGE QUANTITIES OF WASTE VIA A  
LICENSED WASTE SOLVENT DISPOSAL COMPANY, OR RECLAIM V  
IA FILTRATION

AND DISTILLATION PROCEDURES. IT CAN BE INCINERATED IN ACCORDANCE  
WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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 com

petent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.