

EM SCIENCE

-- METHYL ALCOHOL, WOOD ALCOHOL, MX0475

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MSDS Safety Information
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FSC: 6810
MSDS Date: 05/21/1996
MSDS Num: CCXLH
LIIN: 00N076037
Product ID: METHYL ALCOHOL, WOOD ALCOHOL, MX0475
MFN: 01
Responsible Party
Cage: DO242
Name: EM SCIENCE
Address: 480 DEMOCRAT RD
Box: 70
City: GIBBSTOWN NJ 08027
Info Phone Number: 609-354-9200
Emergency Phone Number: 800-424-9300 (CHEMTREC)
Published: Y

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Contractor Summary
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Cage: 63612
Name: EM INDUSTRIES
Address: 480 DEMOCRAT ROAD
Box: 70
City: GIBBSTOWN NJ 08027
Phone: 856-423-6300
Cage: DO242
Name: EM SCIENCE
Address: 480 DEMOCRAT RD
City: GIBBSTOWN NJ 08927
Phone: 800-424-9300 (CHEMTREC)

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Ingredients
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Cas: 67-56-1
RTECS #: PC1400000
Name: METHANOL (SARA 313) (CERCLA)
% Wt: 100
OSHA PEL: 200 PPM, S
ACGIH TLV: 200 PPM; 250 STEL, S
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Name: SUPDAT: PROCESS OPERATING UNDER VACUUM IF SUBJECTED TO SUDDEN INGRESS
OF AIR OR OUTSIDE PROCESS EQUIP OPERATING

Name: ING 2: UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS OR MISTS TO
THE ATMOSPHERE OCCURS.

Name: EFTS OF OVEREXP: REPORTED FROM PROLONGED EXPOSURE TO METHYL ALCOHOL IN
LAB TESTS INVOLVING PREGNANT RATS.

Name: SPILL PROC: BE DONE W/OUT RISK. TAKE UP & CONTAINERIZE FOR PROPER
DISP AS DESCRIBED UNDER DISP. COMPLY W/FED,

Name: ING 5: STATE & LOCAL REGS ON REPORTING RELEASES. REFER TO REGULATORY INFO FOR REPORTABLE QUANTITY & OTHER

Name: ING 6: REGULATORY DATA. MFR RECOMMENDS SPILL-X ABSORBENT AGENTS FOR VARIOUS TYPES OF SPILLS. ADDITIONAL INFO ON

Name: ING 7: SPILL-X PRODUCTS CAN BE PROVIDED THRU EM SCIENCE TECHNICAL SERVICE DEPARTMENT 609-354-9200. SOLVENT SPILL

Name: ING 8: TREATMENT KIT - SX0863 IS RECOMMENDED FOR THIS PRODUCT.

Name: RESP PROT: TYPE) UNDER SPECIFIED CNDTNS (SEE SAFETY EQUIP SUPPLIER). ENGINEERING &/OR ADMINISTRATIVE CONTROLS

Name: ING 10: SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Health Hazards Data

LD50 LC50 Mixture: LD50: (ORAL, RAT) 5628 MG/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: TOXIC BY INGEST & INHAL. CAN BE TOXIC BY SKIN ABSORPTION. AFTER INGEST OR INHAL, INITIAL SYMPS MAY BE ONLY THAT OF MILD INTOXICATION BUT MAY BECOME SEVERE AFTER 12 TO 18 HRS. AFFECTS CNS, ESPECIALLY OPTIC NERVE. MARKED IMPAIRMENT OF VISION & ENLARGEMENT OF LIVER HAS BEEN REPORTED W/CHRONIC EXPOSURE. (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT

Signs And Symptions Of Overexposure: HLTH HAZ: CHRONIC EXPOSURE MAY ALSO CAUSE DAMAGE TO KIDNEYS & CNS. CAUSES DIZZINESS, NAUSEA, MUSCLE WEAKNESS, NARCOSIS, RESPIRATORY FAILURE. INGEST CAN CAUSE BLINDNESS (100 ML CAN BE FATAL). PRLNGD/RPTD SKIN CONTACT MAY CAUSE IRRIT. FETAL D EVELOPMENT ABNORMALITIES & EFFECTS ON EMBRYO OR FETUS HAVE BEEN

Medical Cond Aggravated By Exposure: SKIN CONDITIONS, EYE PROBLEMS OR IMPAIRED LIVER OR KIDNEY FUNCTION.

First Aid: GET MED ASSISTANCE FOR ALL CASES OF OVEREXPOSURE. SKIN: WASH THOROUGHLY W/SOAP & WATER. EYES: IMMEDIATELY FLUSH THOROUGHLY W/WATER FOR AT LEAST 15 MINUTES. INHAL: REMOVE TO FRESH AIR; GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. IN GEST: GET IMMEDIATE MED ATTN. IF MED ATTN IS NOT IMMEDIATELY AVAILABLE, INDUCE VOMITING. DO NOT INDUCE VOMIT IF UNCON. REMOVE CONTAMD CLTHG & WASH BEFORE REUSE.

Handling and Disposal

Spill Release Procedures: EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL. WEAR SUITABLE PROTECTIVE EQUIPMENT AS LISTED. ELIMINATE ANY IGNIT SOURCES UNTIL THE AREA IS DETERMINED FREE FROM EXPLOSION OR FIRE HAZS. CONTAIN THE RELEASE & ELIMINATE ITS SOURCE IF THIS CAN

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: INCINERATION, FUELS BLENDING OR RECYCLE. CNTCT LOCAL PERMITTED WASTE DISP SITE (TSD) FOR PERMISSIBLE TREATMENT SITES. ALWAYS CNTCT PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE W/ALL CURRENT LOCAL, STATE & FED REGS. EPA WASTE NUMBERS: U154 D001.

Handling And Storage Precautions: KEEP CNTNR CLSD. STORE IN COOL AREA AWAY

FROM IGNIT SOURCES & OXIDIZERS. DO NOT BREATHE VAPOR OR MIST. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.
Other Precautions: FLAMMABLE LIQUID & VAPOR. VAPOR HARMFUL. MAY BE FATAL ORCAUSE BLINDNESS IF SWALLOWED. CANNOT BE MADE NON-POISONOUS. MAY CAUSE DAMAGE TO LUNGS & CNS. ABSORPTION THRU SKIN HARMFUL. ELECTRICALLY GROUNDALL EQUIP WHEN HANDLING THIS PRODUCT.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC
Flash Point Text: 52.0F,11.1C
Lower Limits: 6.7%
Upper Limits: 36.5%
Extinguishing Media: DRY CHEMICAL, ALCOHOL FOAM, CARBON DIOXIDE, WATER MIST.
Fire Fighting Procedures: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire/Explosion Hazard: DANGEROUS FIRE & EXPLOSIVE HAZ. CLSD CNTNRS MAY EXPLODE UPON HEATING. VAP CAN TRAVEL DISTANCES TO IGNIT SOURCE & FLASH BACK. HOT ORGANIC CHEM VAPS OR (SUPDAT)

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Control Measures
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Respiratory Protection: IF WORKPLACE EXPOS LIMIT(S) OF PROD OR ANY COMPONENT IS EXCEEDED, A NIOSH APPRVD AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH APPRVD RESPIRATORS (NEGATIVE PRESSURE)
Ventilation: MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH ADEQUATE VENTILATION.
Protective Gloves: BUTYL RUBBER, VITON OR EQUIVALENT.
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).
Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER (FP N).
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE INTERNALLY.
Supplemental Safety and Health: EXPLO HAZ: MISTS ARE SUSCEPTIBLE TO SUDDEN SPONT COMBUST WHEN MIXED W/AIR. IGNIT MAY OCCUR AT TEMPS BELOW PUBLISHED AUTOIGNIT OR IGNIT TEMPS. IGNIT TEMPS DECREASE W/INCREASING VAP VOL & VAP/AIR CONTACT TIME & ARE INFLUENCED BY PRESS CHANGES . IGNIT MAY OCCUR AT TYPICAL ELEVATED TEMP PROCESS CNDTNS, ESPECIALLY

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Physical/Chemical Properties
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B.P. Text: 148F,65C
M.P/F.P Text: -144F,-98C
Vapor Pres: 97 @ 20C
Vapor Density: 1.1
Spec Gravity: 0.791 (H*20=1)
Evaporation Rate & Reference: 5.91 (BUAC=1)
Solubility in Water: MISCIBLE
Appearance and Odor: COLORLESS LIQUID; CHARACTERISTIC ALCOHOLIC ODOR.
Percent Volatiles by Volume: 99.9+

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: HEAT; CONTACT WITH IGNITION SOURCE.
Materials To Avoid: ACIDS, OXIDIZERS, REACTIVE METALS.
Hazardous Decomposition Products: CO*X, FORMALDEHYDE.

Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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HAZCOM Label
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Product ID: METHYL ALCOHOL, WOOD ALCOHOL, MX0475

Cage: DO242

Assigned IND: Y

Company Name: EM SCIENCE

Street: 480 DEMOCRAT RD

City: GIBBSTOWN NJ

Zipcode: 08927

Health Emergency Phone: 800-424-9300 (CHEMTREC)

Label Required IND: Y

Date Of Label Review: 01/15/1997

Status Code: C

Label Date: 01/15/1997

Origination Code: G

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: FLAMMABLE. ACUTE: TOXIC BY INGESTION AND INHALATION.

INITIAL SYMPTOMS MAY BE ONLY THAT OF MILD INTOXICATION BUT MAY BECOME SEVERE AFTER 12 TO 18 HOURS. AFFECTS CENTRAL NERVOUS SYSTEM, ESPECIALLY OPTIC NERVE. INGESTION CAN PRODUCE BLINDNESS (100 ML CAN BE FATAL). CAN BE TOXIC BY SKIN ABSORPTION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION. CHRONIC: MARKED IMPAIRMENT OF VISION AND ENLARGEMENT OF THE LIVER. MAY CAUSE DAMAGE TO KIDNEYS AND CENTRAL NERVOUS SYSTEM.

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