

FISHER SCIENTIFIC -- METHYL ALCOHOL 14280, A412 500 -- 6810-00-753-4783

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Product Identification  
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Product ID:METHYL ALCOHOL 14280, A412 500

MSDS Date:12/12/1997

FSC:6810

NIIN:00-753-4783

Status Code:A

MSDS Number: CJDLY

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone N

um:201-796-7100

Resp. Party Other MSDS Num.:14280

Chemtre Ind/Phone:(800)424-9300

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients  
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Ingred Name:METHYL ALCOHOL

CAS:67-56-1

RTECS #:PC1400000

> Wt:99.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:260 MG/M3;200 PPM

ACGIH TLV:26

2 MG/M3;200 PPM  
ACGIH STEL:328 MG/M3;250 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 5,620 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:TARGET ORGANS: EYES, SKIN, CENTRAL  
NERVOUS SYSTEM, LUNGS. ACUTE - CAUSES MODERATE EYE IRRITATION. MAY  
CAUSE PAINFUL SENSITIZATION TO LIGHT. MAY  
CAUSE SKIN IRRITATION.  
MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. MAY CAUSE  
IRRITATION OF THE DIGESTIVE TRACT IF INGESTED. MAY CAUSE CENTRAL  
NERVOUS SYSTEM DEPRESSION. ADVANCED STAGES MAY CAUSE COLLAPSE,  
UNCONSCIOUSNESS, COMA AND POSSIBLE DEATH D UE TO RESPIRATORY  
FAILURE. MAY CAUSE KIDNEY FAILURE. INHALATION MAY CAUSE RESPIRATORY  
TRACT IRRITATION, LIVER AND KIDNEY DAMAGE. MAY CAUSE ADVERSE CNS  
EFFECTS. CHRONIC - DERMATITIS AND SYMPTOMS SIMILA R TO ACUTE

EFFECTS.

Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,  
VOMITING, EXCITATION, DROWSINESS, RESPIRATORY ARREST, COMA, DEATH,  
EYE REDNESS, TEARNING, BLURRED VISION, POSSIBLE PERMANENT  
BLINDNESS, SKIN CRACKING, POISONIN G FROM ABSORPTION, CONVULSION  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED CENTRAL NERVOUS SYSTEM, LIVER,  
KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE  
SUSCEPTIBLE TO THE  
EFFECTS OF THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES,  
LIFTING THE UPPER AND LOWER LIDS. GET MEDICAL ATTENTION. SKIN:  
REMOVE CONTAMINATED CLOTHING. FLUSH SKIN WITH SOAP AND WATER FOR  
AT LEAST 15 M INUTES. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.  
INGESTION: IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPFULS OF  
MILK OR WATER AND INDUCE VOMITI

ING BY GIVING ONE TEASPOON SYRUP OF  
IPECAC. SEEK MEDICAL ATTENTION. INHALED: GET MEDICAL ATTENTION  
IMMEDIATELY. REMOVE FROM EXPOSURE. IF NOT BREATHING, GIVE ARTIFICIAL  
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

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

Flash Point:=12.C, 53.6F

Autoignition Temp:=455.C, 851.F

Lower Limits:6.00 VOL %

Upper Limits:31.00 VOL%

Extinguishing Media:FOR SMALL FIRES USE DRY CHEMICAL, CO2, H2O SPRAY OR  
ALCOHOL-RESISTANT

T FOAM. USE H2O TO COOL FIRE-EXPOSED CONTNRS. H2O  
MAY BE INEFFECTIVE

Fire Fighting Procedures:CONTNRS CAN BUILD UP PRESSURE IF EXPO TO HEAT  
AND/OR FIRE. USE SCBA IN PRESSURE-DEMAND (APPROVED OR EQUIVALENT),  
& FULL PROTECTIVE GEAR VAPORS CAN TRAVEL TO A SOURCE OF IGNITION &  
FLASH BACK. IRRITATING & HIGHLY TOXIC GASES MAY BE GENERATED BY  
THERMAL DECOMP OR COMBUSTION. SEE OTHER

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL  
CONSIDERABLE DISTANCE TO A  
SOURCE OF IGNITION AND FLASH BACK.

CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES  
OF IGNITION. VENTILATE AREA. DO NOT WALK THROUGH SPILL; STOP SPILL  
IF POSSIBLE. USE A VAPOR SUPPRESSING FOAM TO REDUCE VAPORS. CONTAIN  
AND PICK UP WITH NON -FLAMMABLE ABSORBENT SUCH AS SAND,  
VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID  
FROM

ENTERING SEWERS, WATERWAYS, CONFINED SPACES. USE NON-SPARKING  
TOOLS.

Neutralizing Agent:DILUTE WITH WATER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, VENTILATED AREA  
AWAY FROM IGNITION SOURCES, DIRECT SUNLIGHT, AND INCOMPATIBLES.

Other Precautions:FLAMMABLE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUES  
(VAPORS, LIQUID, AND/OR SOLID) AND CAN BE DANGEROUS. DO NOT  
PRESSURIZE, CUT, WELD, BRAZE, SOL

DER OR DRILL. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING VAPORS. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. AVOID DIRECT SUN.

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

Respiratory Protection:WEAR NIOSH-APPROVED RESPIRATORY WHEN NECESSARY. USE UNDER THE HOOD.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GLASSES OR GOGGLES OR FACE SHIELD

Other Protective Equipment:EYE BATH, WASHING FACILITY, EMERGENCY SHOWER, LAB COAT OR UNIFORM.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: EFFECTS MAY BE DELAYED. ETHANOL MAY INHIBIT METABOLISM.

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

HCC:F5

Boiling Pt:=64.6C, 148.5F

Melt/Freeze

Point:= -98.C, -144.4F

Decomp Temp:Decomp Text:NOT AVAILABLE

Vapor Pres:96 MMHG

Vapor Density:1.1 (AIR=1

Spec Gravity:.7910G/CN3

pH:NOT AVAILABLE

Viscosity:0.55 CP 20

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:MISCIBLE

Appearance and Odor:LIQUID, CLEAR, COLORLESS, ALCOHOL-LIKE WEAK ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDANTS, ACTIVE METALS, ACETYL BROMIDE, ALKYL ALUMINUM SALTS, CARBON

TETRACHLORIDE, METALS, CHLOROFORM + HEAT OR SODIUM HYDROXIDE,  
CYANURIC CHLORIDE, DIETHYL ZINC, NITRIC ACID

Stability Condition to Avoid:HIGH TEMPERATURES, IGNITION SOURCES

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON  
DIOXIDE, AND FORMALDEHYDE.

===== Toxicological Information =====

Toxicological Information:INHALATION, RAT; LC50 = 64000 PPM/4 H; ORAL  
MOUSE LD50: 7300 MG/KG; SKIN, RABBIT; LD50 = 15800 MG/KG

===== Ec  
ological Information =====

Ecological:GOLDFISH (FRESH WATER), 250 PPM/11H, DEATH

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

Waste Disposal Methods:PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED,  
CONTROLLED BURNER FOR FUEL VALUE OR DISPOSED BY SUPERVISED  
INCINERATION. IN ADDITION, THE PRODUCT IS SUITABLE FOR RECYCLING.  
OBSERVE ALL LOCAL, STATE AND FEDERAL REGULATIONS. RCRA WASTE  
NUMBER: U154 (IGNITABLE WASTE).

===== R  
egulatory Information =====

SARA Title III Information:FINAL RQ = 5000 LBS (2270 KG)  
Federal Regulatory Information:LISTED ON THE TSCA INVENTORY  
State Regulatory Information:

===== Other Information =====

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