

FISHER SCIENTIFIC CO CHEMICAL DIV. -- METHANOL -- 6810-00-195-8663

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Product Identification
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Product ID:METHANOL

MSDS Date:03/09/1994

FSC:6810

NIIN:00-195-8663

MSDS Number: BDJCF

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100

Chemtec

Ind/Phone:(800)424-9300

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

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 (METHANOL) (SARA 313) (CERCLA)

CAS:67-

56-1
RTECS #:PC1400000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 200 PPM
ACGIH TLV:S,200PPM/250STEL; 96
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (MS) 5628MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:**NARCOTIC-NEUROTOXIC** EYES:MAY CAUSE SEVERE IRRITATION.SKIN:MAY CAUSE USE IRRITATION.MAY BE DERMALLY ABSORBED IN HARMFUL AMOUNTS.INGEST:MAY CAUSE GI TRACT IRRITATION AND CNS EFFECTS.INHAL:MAY CAUSE RESP IRATORY IRRITATION,METABOLIC ACIDOSIS AND CNS EFFECTS.CHRONIC:LIVER,KIDNEY,HEARTS,STOMACH,PANCREATIC DAMAGE.
Explanation of Carcinogenicity:REPRODUCTVE EFFECTS HAVE BEEN REPORTED.
Effects of
Overexposure:INGEST:INEBRIATION,DROWSINESS,COUGHING,FAINTING,HEADACHE,WEAKNESS,DIZZINESS,NAUSEA,VOMITING,DIARRHEA,ANOREXIA,PAIN IN BACK,ABDOMEN,RESTLESSNESS,APATHY,DELIRIUM,MANIA.EYES:VIOLENT INFLAMMATION OF THE CONJUNCTIVA AND EPITHELIAL DEFECTS ON THE CORNEA.INHAL:COUGHING,TWITCHING,CONSTIPATION,SHOOTING PAINS.(SEE SUPPLIMENTAL)
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING PANCREAS,SPLEEN,LIVER OR KIDNEY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP OR MILD DETERGENT AND WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH NORMAL SALINE OR WATER FOR 15 MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR .MAINTAIN AIRWAY AND BLOOD PRESSURE.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET MEDICAL ATTENTION.IF CONSCIOUS,GIVE IPECAC,LAVAGE WITH 2-4L OF TAP WATER W/20G/L SODIUM BICARBONATE.SUPPL

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Fire Fighting Measures
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Flash Point Method:CC
Flash Point:=-11.1C, 52.F
Autoignition Temp:=-385.C, 7

25.F

Lower Limits:6.0

Upper Limits:36.0

Extinguishing Media:WATER SPRAY,DRY CHEMICAL,CARBON DIOXIDE,ALCOHOL RESISTANT FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.FIGHT FIRE FROM UPWIND.

Unusual Fire/Explosion Hazard:VAPOR/AIR MIXTURES ARE EXPLOSIVE.VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.DIKE FIRE CONTROL WATER.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.WASH SPILL AREA TO REMOVE SLIPPINESS.RQ=5000LBS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED

PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM COMBUSTIBLE AND INCOMPATIBLE MATERIALS.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING LIQUID;FLOWING LIQUID CAN BECOME ELECTROSTATICALLY CHARGED.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON THE AIRBORN CONCENTRATION.

Ventilation:USE EXPLOSION-PROOF LOCAL EXHAUST

Protective Gloves:CHEMICALLY RESISTANT GLOVES

Eye Protection:SPLASH-PROOF GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:EXECISE GOOD LABORATORY PRACTICES.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

METABOLIC ACIDOSIS:SHALLOW BREATHING,COLD,CLAMMY SKIN,HYPO

TENSIONCYANOSIS, CONVULSION, TACHYCARDIA, CARDIAC DEPRESSION. PERIPHERAL NEURITIS, CEREBRAL AND PULMONARY EDEMA. ANTIDOTE-GIVE 50%(100 PROOF) ETHANOL, 1.5ML/KG ORALLY (DO NOT DILUTE >5%); FOLLOW WITH .5-1ML/KG EVERY 2 HRS (ORAL OR IV) FOR 4 DAYS.

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

HCC:F5

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: 65.C, 149.F

Melt/Freeze Pt: -94.C, -137.2F

Vapor Pres: 97.25

Vapor Density: 1.11

Spec Gravity: 0.7914

Viscosity: 0.59CP @ 20C

Evap

oration Rate & Reference: 4.6 (N-BUTYL ACETATE=1)

Solubility in Water: VERY SOLUBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID WITH A CHARACTERISTIC ALCOHOLIC ODOR.

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: HIGH HEAT, SOURCES OF IGNITION.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. EPA CODE IS U154.

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