

FISHER SCIENTIFIC -- METHYL ALCOHOL 14280, A947-4 -- 6810-01-365-9554

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

Product ID:METHYL ALCOHOL 14280, A947-4

MSDS Date:09/02/1997

FSC:6810

NIIN:01-365-9554

MSDS Number: CHHDK

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIRLAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:703-527-3887;800-

424-9300(CHEMTREC)

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

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

Ingred Name:METHANOL; (METHYL ALCOHOL) (SARA 313) (CERCLA).

LD50:(ORAL,RAT) 5628 MG/KG.

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: >99%

OSHA PEL:200 PPM, S

ACGIH TLV:200 PPM;250 STEL, S

EPA Rpt Qty:5

000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SUPDAT:INCOMPAT W/SPECIFIC CHEMS INCL:ACETYL BROMIDE, ALKYL ALUMINUM SALTS, BERYLLIUM DIHYDRIDE, CARBON (ING 3)
RTECS #:9999999ZZ

Ingred Name:ING 2:TETRACHLORIDE + METALS, CHLOROFORM + HEAT, CHLOROFORM + SODIUM HYDROXIDE, CYANURIC CHLORIDE, DIETHYL ZINC, (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:NITRIC ACID & POTASSIUM TERTBUTOXIDE. PLEASE REFER TO NFPA FIRE PROTECTION GUIDE FOR ALL SPECIFICS.
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREX
P:CHRONIC:PRLNG/RPTD SKIN CONT MAY CAUSE
DERM. CHRONIC INHAL & INGEST MAY CAUSE EFTS SIMILAR TO (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5:THOSE OF ACUTE INHAL & INGEST. TARGET ORGS:KIDNEYS, CNS, LIVER, EYES. TOX INFO:EFTS ON NEWBORN:BEHAVIORAL; (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:EMBRYO/FETUS:FETOTOXICITY; SPECIFIC DEVEL ABNORMS:CVS, MUSCULOSKELETAL, UROGENITAL; PATERNAL EFTS: (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:SPERMATOGENESIS; DNA DAMAGE; DNA INHIBITOR.
RTECS #
:9999999ZZ

Ingred Name:FIRST AID PROC:TSP OF SYRUP OF IPECAC. INHAL:GET MED AID IMMED. REMOVE FROM EXPOS TO FRESH AIR IMMED. IF NOT (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYG. NOTES TO MD:EFTS MAY BE DELAYED. ETHANOL MAY INHIBIT (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:METABOLISM. ANTIDOTE:NO SPECIFIC ANTIDOTE EXISTS.
RTECS #:9999999ZZ

Ingred Name:OTHER PREC:STORAGE AREA. HARMFUL IF INHALED. POISON-CANNOT BE MADE NON-POIS

ONOUS. KEEP OUT OF REACH OF CHILDREN.(ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12:IN CASE OF ACCIDENT/IF YOU FEEL UNWELL, SEEK MED
ADVICE IMMED (SHOW LBL WHERE POSS). KEEP CNTNR TIGHTLY CLOSED.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENT 1.

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

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

Health Hazards Acute and Chronic:ACUTE:EYE:CAUSES MOD IRRIT. VAPS
MAY

CAUSE IRRIT. MAY CAUSE PAINFUL SENSIT TO LIGHT. SKIN:MAY CAUSE
IRRIT. MAY BE ABSORBED IN HARMFUL AMTS. INGEST:MAY CAUSE IRRIT OF
DIGEST TRACT. MAY CAUSE CNS DEPRES S, CHARACT BY EXCITEMENT,
FOLLOWED BY HDCH, DIZZ, DROW & NAUS. ADVANCED STAGES MAY CAUSE
COLLAPSE, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:UNCON, COMA & POSS DEATH DUE TO RESP
FAILURE. MAY CAUSE KIDNEY FAILURE. INHAL:MAY CAUSE RESP TRACT
IRRIT. MAY

CAUSE LIVER & KIDNEY DMG. MAY CAUSE ADVERSE CNS EFTS

INCL HDCH, CONVLS & POSS DEA TH. MAY CAUSE VISUAL IMPAIRMENT & POSS
PERM BLINDNESS. MAY CAUSE EFTS SIMILAR TO THOSE DESCRIBED FOR
INGEST. (ING 5)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES:FLUSH W/PLENTY OF WATER FOR AT LST 15 MINS, OCCAS
LIFTING UPPER & LOWER LIDS. GET MED AID IMMED. DO NOT ALLOW VICTIM
TO RUB/KE

EP EYES CLSD. SKIN:FLUSH W/PLENTY OF SOAP & WATER FOR AT
LST 25 MINS WHILE REMOVING CONTAM CLTHG & SHOES. GET MED AID IF
IRRIT DEVELS/PERSISTS. INGEST:IF VICTIM IS CONSCIOUS & ALERT, GIVE
2-4 CUPFULS OF MILK/WATER. GET MED AID IMMED. INDUCE VOMIT BY
GIVING 1 (ING 9)

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

Flash Point:53.6F,12.0C

Lower Limits:6%

Upper Limits:31%

Extinguishing Media:FOR SMALL FIRES, USE DRY CHEMICAL, CARBON DIOXIDE,
WATER SPRAY O

R ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . USE WATER TO COOL FIRE-EXPOSED CONTAINERS. WATER MAY BE INEFFECTIVE.

Unusual Fire/Explosion Hazard:CNTNRS CAN BUILD UP PRESS IF EXPOS TO HEAT &/OR FIRE. VAPS CAN TRAVEL TO SOURCE OF IGNIT & FLASH BACK. DURING FIRE, IRRIT & HIGHLY TOX GASES MAY BE (SUPP DATA)

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

Spill Release Procedures:USE PROPER PPE AS INDICATED IN EXPOS CONTROLS, PERSONAL PROT SECTION. SCOOP UP W/NONSPARKING TOOL, THEN PLACE INTO SUITABLE CNTNR FOR DISP. USE WATER SPRAY TO DISPERSE GAS/VAP. REMOVE ALL SOURCES OF I GNIT. ABSORB SPILL USING ABSORB, NON- (SUPP DATA)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE W/ADEQUATE VENT. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID &/OR VAPOR) & CAN BE DANGEROUS. DO

NOT GET ON SKIN/IN EYES. DO NOT INGEST/INHALE.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND/EXPOSE EMPTY CNTNRS TO HEAT, SPKS/OPEN FLAMES. KEEP AWAY FROM SOURCES OF IGNIT-NO SMOKING. STORE IN COOL, DRY, WELL-VENTED AREA AWAY FROM INCO MPAT SUBSTANCES. STORE IN FLAMMS(ING 12)

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

Respiratory Protection:FOLLOW OSHA RESPIRATOR REGULATIONS FOUND IN 29 CFR 1910.134. ALWAYS USE A NI OSH APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW PELS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:ANSI APPROVED EYE WASH FOUNTAIN & DELUGE SHOWER . WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE.

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Supplemental Safety and Health

EXPLO HAZ:GENERATED BY THERMAL DECOMP/COMBUST. FLAMM LIQ. CAN RELS VAPS
THAT FORM EXPLO MIXTS AT TEMPS ABOVE FLASHPOINT. SPILL PROC:COMBUST
MATL SUCH AS EARTH, SAND/VERMICULITE. MATLS TO AVOID:SODIUM
HYPOCHLORITE), ACTIVE METALS (SUCH AS POTASSIUM & MAGNESIUM).
SUBSTANCE IS ALSO (ING 2)

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

Boiling Pt:B.P. Text:148F,65C
Melt/Freeze Pt:M.P/F.P Text:-144F,-98C
Vapor Pres:96
Vapor Densi
ty:1.1
Spec Gravity:0.7910
Evaporation Rate & Reference:5.2 (ETHER=1)
Solubility in Water:MISCIBLE
Appearance and Odor:CLEAR, COLORLESS LIQUID; SLIGHT ALCOHOL-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES
OXIDANTS (SUCH AS BARIUM PERCHLORATE, BROMINE, CHLORINE, HYDROGEN
PEROXIDE, LEAD PERCHLORATE, PERCHLORIC ACID, (SUPDAT)
Stability Condition to Avoid:HIGH TEMPERATURES, INCOMPATIBLE MATERIALS,
IGNITION SOUR
CES.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
FORMALDEHYDE.

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

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT W/FEDERAL,
STATE & LOCAL REGULATIONS. RCRA WASTE NUMBER:U154 (IGNITABLE
WASTE). THIS MATERIAL IS BANNED FROM LAND DISPOSAL ACCORDING TO
RCRA.

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