

WARD'S NATURAL SCIENCE -- METHYL ALCOHOL -- 6810-00-275-6010

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

Product ID:METHYL ALCOHOL

MSDS Date:10/20/1992

FSC:6810

NIIN:00-275-6010

MSDS Number: BXCFC

=== Responsible Party ===

Company Name:WARD'S NATURAL SCIENCE

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Info Phone Num:716-359-2502

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

Preparer's Name:ALE

XANDER A. PICCIRILLI

CAGE:EO227

=== Contractor Identification ===

Company Name:WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:716-359-2502

CAGE:EO227

Company Name:WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address:5100 W HENRIETTA RD

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:(716) 359-2502

CAGE:63759

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

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA

III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S,200PPM

ACGIH TLV:S,200PPM/250STEL; 94

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:OSHA TWA 200PPM, 260MG/M3

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

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

Health Hazards Acute and Chronic:INGEST:MAY BE FATAL.CANNOT BE MADE
NON-POISONOUS.SWALLOWI

NG LIQ CAUSES INEBRIATION, HEADACHE, NAUSEA,

VOMITING LEADING TO SEVERE ILLNESS, BLINDNESS & PERHAPS DEATH.

EYE:LIQ CAUSES IRRIT. INHAL:BREATHI NG VAP MAY CAUSE DROWSINESS,

NAU, VOMITING. SKIN:REPEATED CONTACT MAY IRRITATE SKIN.

Effects of Overexposure:FATAL IF INGESTED. INEBRIATION, HEADACHE,

NAUSEA, VOMITING. SEVERE ILLNESS. BLINDNESS. DEATH. EYE/SKIN

IRRITATION. DROWSINESS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First

Aid Measures =====

First Aid:INGEST:IF CONSC GIVE 1 OR 2 GLASSES OF WATER TO DRINK.INDUCE

VOMIT BY PLACING FINGER DOWN THROAT.REPEAT TIL VOMIT FLUID IS

CLEAR.CALL DR IMMED.NEVER GIVE ANYTHING BY MOUTH TO UNCONSC

PERSON.INHAL:REMO VE TO FRESH AIR.NOT BREATH GIVE ARTI

RESP(MOUTH-TO-MOUTH)BREATH DIFFI GIVE OXY BY TRAINED PERSONNEL.CALL

DR.EYE:FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS LIFTING

EYELIDS.GET MED ATTN IMMED.(SUPPLEMEN)

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===== F

ire Fighting Measures =====

Flash Point Method:TCC

Flash Point:52.0F,11.1C

Autoignition Temp:Autoignition Temp Text:385C

Lower Limits:6. @79F

Upper Limits:36.5

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL (ABC),

ALCOHOL TYPE FOAM. CLASS IB FLAMMABLE LIQUID.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA & FULL PROT

CLOTH.WATER MAY BE INEFFECTIVE.USE WATERSPRAY TO COOL FIRE-EXPO

CNTNRS.USE ALCOHOL RESIST FOAM TI EXT LG FIRE/BLANKET SPILL

Unusual F

ire/Explosion Hazard:BURNS W/CLEAR ALMOST INVISIBLE FLAME-HARD
TO SEE IN STRONG SUNLIGHT.METHANOL/WATER MIXTURE W/25% OR MORE
METHANOL-FLAMM.AVOID WATER WATERSTREAMS THAT (SUPPLEMN)

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

Spill Release Procedures:ELIMINATE ALL IGN SOURCES.USE ABSORBENT MATLS
TO SOAK UP SPILLS(SAND/EARTH/VERMICULITE).CAREFULLY SWEEP UP &
REMOVE.SPILLS IN CRITICAL AREAS CAN BE DILUTED W/WATER TO REDUCE
FIRE HAZ DURING CLEANUP.DO NO
T FLUSH TO SEWER/DRAIN/WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL DRY WELL VENTILATED AREA
AWAY FRM STRONG OXIDIZERS & FIRE HAZ.KEEP OUT OF REACH OF CHILDREN.

Other Precautions:USE EXPLOSIVE-RPOOF ELECTRICAL FIXTURES.CNTNRS SHOULD
BE ELECTRICALLY GROUNDED/BONDED DURING MATL TRANSFER TO PREVENT
STATIC SPARK.CORROSIVE TO LEAD & ALUMINUM.FOR LABORATORY
USE

ONLY.NOT FOR DRUG/FOO D/HOUSEHOLD USE.

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

Respiratory Protection:NONE NEEDED IN NORMAL LABORATORY HANDLING. IF
MISTY CONDITONS PREVAIL WORK IN VENTILATION HOOD OR WEAR
NIOSH-APPROVED RESPIRATOR AIR-SUPPLIED OR SELF-CONTAINED BREATHING
APPARATUS.

Ventilation:LOCAL EXHA:RECOMMENDED. MECHANICAL(GEN):YES. OTHER:ADEQUATE
TO MAINTAIN BELOW EXPOSURE LIMIT.

Protective Gloves:RUBBER GLOVES

Eye Protection:CHEMICAL S
AFETY GLASSES

Other Protective Equipment:GOGGLES,SMOCK,APRON,EYEWASH STATION,SAFETY
SHOWER,PROPER GLOVES,VENTILATION HOOD,FIRE EXTINGUISHER.

Work Hygienic Practices:WSH THOROUGHLY AFTER HANDLING. REMOVE & WAST
CONTAMINATED CLOTHING.

Supplemental Safety and Health

EXPLO/FIRE HAZ:SPREAD FLAMING LIQ.VAP HEAVIER THAN AIR-MAY FLOW ALONG
SURFACES TO DISTANT IGN SOURCES & FLASHBACK. 1ST AID:SKIN:FLUSH
W/WATER THEN WASH W/MILD SOAP/WATER.FOR ALL ROUTES:KEEP PATIENT WAR
M & COVER EYES

TO EXCLUDE LIGHT.

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

HCC:F5

Boiling Pt:B.P. Text:148F,65C

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

Vapor Pres:96 @20C

Vapor Density:1.11

Spec Gravity:0.7913

Evaporation Rate & Reference:12.5% (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID, ALCOHOL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials

to Avoid:YES

STRONG OXIDIZING AGENTS. PARTICULARLY PERCHLORIC ACID & LEAD
PERCHLORATE, SULFURIC & NITRIC ACIDS, CHROMIC ANHYDRIDE.

Stability Condition to Avoid:SPARKS, EXCESSIVE HEAT, SOURCES OF
IGNITION, OPEN FLAME, STATIC CHARGE.

Hazardous Decomposition Products:THERMAL DECOMPOSITION OR BURNING WILL
PRODUCE CARBON DIOXIDE &/OR CARBON MONOXIDE.

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

Waste Disposal Methods:DISCHARGE/TREATMENT/DISPOSAL MAY BE SUBJECT TO

FED/STATE/LOC LAWS.THESE DISPOSAL GUIDELINES ARE INTENDED FOR
DISPOSAL OF CATALOG-SIZE QUANT ONLY.DISPOSE OF IN AN APPROVED
INCINERATOR OR CONTRACT W/LICENSED SOLVENT WASTE DISPOSAL SERVICE.

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