

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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 (SUPPLEMNN)

===== 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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