

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:

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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) (SA

RA 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
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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.SWALL
OWING LIQ CAUSES INEBRIATION, HEADACHE, NAUSEA,
VOMITING LEADING TO SEVERE ILLNESS, BLINDNESS & PERHAPS DEATH.
EYE:LIQ CAUSES IRRIT. INHAL:BREATHING 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
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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:REMOVE 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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Fire Fighting Measures
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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
Unusua

I Fire/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

NOT 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-PROOF ELECTRICAL FIXTURES. CNTNRS SHOULD BE ELECTRICALLY GROUNDED/BONDED DURING MATL TRANSFER TO PREVENT STATIC SPARK. CORROSIVE TO LEAD & ALUMINUM. FOR LABORATO

RY USE

ONLY. NOT FOR DRUG/FOOD/HOUSEHOLD USE.

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

Respiratory Protection: NONE NEEDED IN NORMAL LABORATORY HANDLING. IF MISTY CONDITIONS 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

SAFETY GLASSES

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

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. REMOVE & WASH 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 WARM & COVER EY

ES 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/Materi

als 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 DIXOIDE &/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/LIC ENSED SOLVENT WASTE DISPOSAL SERVICE.

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