

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: BXC FK

=== 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

===== 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.

===== 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)

===== 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 (SUPPLEMNM)

===== 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  
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-PROOF 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/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 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all l

iability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.