

BOUGHT ACCORDING TO SPECIFICAT -- METHANOL (METHYL ALCOHOL)

MSDS Safety Information

FSC: 6810  
NIIN: 00-292-9676  
MSDS Date: 10/06/1993  
MSDS Num: BRQNR  
Product ID: METHANOL (METHYL ALCOHOL)  
MFN: 01  
Responsible Party  
Cage: 81349  
Name: BOUGHT ACCORDING TO SPECIFICATION  
Address: DEFENSE GENERAL SUPPLY CENT  
ER  
City: RICHMOND VA 23297-5680  
Info Phone Number: 804-279-4371  
Emergency Phone Number: 804-279-3131  
Preparer's Name: DOD /DGSC-SSH  
Review Ind: Y  
Published: Y

Preparer Co. when other than Responsible Party Co.

Cage: 81349  
Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY  
Address: DEPTS/AGENCIES UNDER AUTH OF DEF STD  
Box: MANUAL  
City: 4120 3-M NK 00000

Contractor Summary

Cage: 81349  
Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY  
Address: DEPTS/AGENCIES UNDER AUTH OF DEF STD  
Box: MANUAL  
City: 4120 3-M NK 00000  
Phone: 804-279-4371 DSN 695-4371

Item Description Information

Item Manager: S9G  
Item Name: METHANOL, TECHNICAL  
Specification Number: O-M-

232

Type/Grade/Class: A GRADE

Unit of Issue: QT

UI Container Qty: G

Type of Container: CAN

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Ingredients  
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Cas: 67-56-1

RTECS #: PC1400000

Name: METHYL ALCOHOL (METHANOL) (SARA III)

% Wt: >99 %

Other REC Limits: NONE SPECIFIED

OSHA PEL: S,200PPM/250STEL

ACGIH TLV: S,200PPM/250STEL; 93

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS  
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Health

Health Hazards Data  
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LD50 LC50 Mixture: LD50 ORAL RAT= 5628 MG/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYES: IRRITATION, EYE LESIONS. SKIN: DEFATTING, DRYING, CRACKING, SKIN ABSORPTION REACTS SIMILAR TO INHALATION. INHALATION AND INGESTION: IRRITATION, TOXIC TO NERVOUS SYSTEM AND OPTIC NERVE, HEADACHE, DROWSINESS, NAUSEA, VOMITING, BLURRED VISION, BLINDNESS, COMA, DEATH.

ENLARGEMENT OF LIVER HAS BEEN REPORTED.

Explanation Of Carcinogenicity: PRODUCT CONTAINS NO INGREDIENTS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Signs And Symptoms Of Overexposure: EYES: IRRITANT, EYE LESIONS. SKIN: DEFATTING, DRYNESS, CRACKING. SKIN ABSORPTION REACTS SIMILAR TO INHALATION. INHALATION AND INGESTION: IRRITATION, TOXIC TO NERVOUS SYSTEM AND OPTIC NERVE, HEADACHE, DROWSINESS, NAUSEA, VOMITING, BLURRED VISION, BLINDNESS,

COMA, DEATH. ENLARGEMENT OF LIVER HAS BEEN REPORTED.

Medical Cond Aggravated By Exposure: PERSON WITH PRE-EXISTING SKIN DISEASE MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid: EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR . GIVE CPR/ OXYGEN IF NEEDED. GET MEDICAL ATTENTION. INGESTION: GIVE 2 GLASSES OF WATER AND INDUCE VOMITING.

GET MEDICAL ATTENTION. GIVE NOTHING BY MOUTH IF UNCONSCIOUS.

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Handling and Disposal  
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Spill Release Procedures: REMOVE IGNITION SOURCES. VENTILATE AREA. WEAR RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE CONTAINER FOR PROPER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions: PROTECT AGAINST PHYSICAL DAMAGE. OUTSIDE OR DETACHED STORAGE PREFERRED. INSIDE STORAGE SHOULD BE FOR FLAMMABLE LIQUID. SEPARATE FROM OXIDIZING MATERIALS

Other Precautions: STORAGE AND USE AREAS SHOULD BE NON-SMOKING. SPARK- PROOF, AND EXPLOSION-PROOF EQUIPMENT SHOULD BE USED IN THE STORAGE AND HANDLING AREA.

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Fire and Explosion Hazard Information  
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Flash Point Method: CC

Flash Point Text: 52.0F, 11.1C

Lower Limits: 6.7

Upper Limits: 36

Extinguishing Media: WATER SPRAY, DRY CHEMICAL, ALCOHOL FOAM, CARBON DIOXIDE.

Fire Fighting Procedures: USE SCBA WITH FULL FACEPIECE AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS AND TO DISPERSE UNIGNITED VAPORS.

Unusual Fire/Explosion Hazard: VAPORS HEAVIER THAN AIR CAN TRAVEL ALONG GROUND A LONG DISTANCE TO AN IGNIT

ION SOURCE AND FLASHBACK.

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Control Measures  
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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATORY APPARATUS APPROPRIATE FOR THE EXPOSURE.

Ventilation: LOCAL EXHAUST TO MAINTAIN BELOW TVL.

Protective Gloves: RUBBER, NEOPRENE.

Eye Protection: GOGGLES (DO NOT WEAR CONTACT LENSES).

Other Protective Equipment: RUBBER BOOTS, APRON OR COVERALLS. EYEWASH STATION AND SAFETY SHOWER.

Work Hy

gienic Practices: WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health: THIS GENERIC MSDS WAS GENERATED IN-HOUSE BASED ON MSDS'S IN THE AND THE FEDERAL SPECIFICATIONS. MANUFACTURER UNKNOWN AT POINT OF STORAGE AND REQUIRED MSDS.

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Physical/Chemical Properties  
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HCC: F2

B.P. Text: 148F,64C

M.P/F.P Text: -144F(-98C)

Decomp Text: UN

KNOWN

Vapor Pres: 97

Vapor Density: 1.1

Spec Gravity: 0.8

Evaporation Rate & Reference: 5.9 (BUTYL ACETATE=1)

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR, COLORLESS LIQUID. CHARACTERISTIC ODOR.

Percent Volatiles by Volume: 100

Corrosion Rate: UNKNOWN

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS, OPEN FLAMES.

Materials To Avoid: S

TRONG OXIDIZING AGENTS.WILL ATTACK SOME FORMS OF

PLASTIC,RUBBER,COATING.MAY REACT WITH ALUMINUM TO FORM HAZARDOUS GAS.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, FORMALDHYDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information  
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Ecological In  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Transportation Information  
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Responsible Party Cage: 81349  
Trans ID NO: 68244  
Product ID: METHANOL (METHYL ALCOHOL)  
MSDS Prepared Date: 10/06/1993  
Review Date: 10/06/1993  
MFN: 1  
Net Unit Weight: 32 OZ  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: QT  
Container QTY: G  
Type Of Container: CAN  
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Detail DOT Information  
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DOT PSN Code: JEZ  
Symbols: I  
DOT Proper Shipping Name: METHANOL  
DOT PSN Modifier: METHYL ALCOHOL SEE METHANOL  
Hazard Class: 3  
UN ID Num: UN1230  
DOT Packaging Group: II  
Label: FLAMMABLE LIQUID, POISON  
Special Provision: T8  
Non Bulk Pack: 202  
Bulk Pack: 242  
Max Qty Pass: 1 L  
Max Qty Cargo: 60 L  
Vessel Stow Req: B  
Water/Ship/Other Req: 40  
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Detail IMO Information  
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IMO PSN C

ode: JQR  
IMO Proper Shipping Name: METHYL ALCOHOL  
IMDG Page Number: SEE 3251  
UN Number: 1230  
UN Hazard Class: 3.2  
IMO Packaging Group: II  
Subsidiary Risk Label: TOXIC  
EMS Number: 3-06  
MED First Aid Guide NUM: 306

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Detail IATA Information  
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IATA PSN Code: QHQ  
IATA UN ID Num: 1230  
IATA Proper Shipping Name: METHANOL  
IATA UN Class: 3  
Subsidiary Risk Class: 6.1  
IATA Label: FLAMM. LIQ. & TOXIC  
UN Packing Group: II  
Packing Note Passenger: 305  
Max Quant Pass: 1L  
Max Quant Cargo: 60L  
Packaging Note Cargo: 307  
Exceptions: A104, A113

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Detail AFI Information  
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AFI PSN Code: QHQ  
AFI Proper Shipping Name: METHANOL OR METHYL ALCOHOL  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1230  
AFI Packing Group: II  
AFI Label: 6.1  
Special Provisions: P4  
Back Pack Reference: A7.3

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HAZCOM Label  
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Cage: 81349  
Company Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY  
Street: DEPTS/AGENCIES UNDER AUTH OF DEF STD  
PO Box: MANUAL  
City: 4120 3-M NK  
Zipcode: 00000  
Health Emergency Phone: 804-279-3131  
Label Required IND: Y  
Date Of Label Review: 10/06/1993  
Status Code: C  
Label Date: 10/06/1993  
Origination Code: F  
Chronic Hazard IND: Y  
Eye Protection IND

: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protection IND: YES  
Health Hazard: Severe  
Contact Hazard: Severe  
Fire Hazard: Severe  
Reactivity Hazard: None

Hazard And Precautions: EYES: IRRITATION, LESIONS. SKIN: DEFATTING, DRYING, CRACKING, SKIN ABSORPTION SAME AS INHALATION. INHALATION AND INGESTION: IRRITATION, TOXIC TO NERVOUS SYSTEM AND OPTIC NERVE, HEADACHE, NAUSEA, VOMITING, BLURRED VISION, BLINDNESS, COMA, DEATH. ENLARGEMENT OF LIVER REPORTED.

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