

DEFENSE GENERAL SUPPLY CENTER -- DENATURED ALCOHOL -- 6810-00-205-6786

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Product Identification  
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Product ID: DENATURED ALCOHOL

MSDS Date: 01/02/1992

FSC: 6810

NIIN: 00-205-6786

MSDS Number: BLRQM

=== Responsible Party ===

Company Name: DEFENSE GENERAL SUPPLY CENTER

Address: 8100 JEFFERSON DAVIS HIGHWAY

City: RICHMOND

State: VA

ZIP: 23297-5000

Country: US

Emergency Phone Num: 804-275-4371

Preparer's

Name: DGSC-SSH

CAGE: 13873

=== Contractor Identification ===

Company Name: DEFENSE GENERAL SUPPLY CENTER

Address: 8000 JEFFERSON DAVIS HWY

Box: City: RICHMOND

State: VA

ZIP: 23297-5000

Phone: 804-279-4371

CAGE: 13873

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Composition/Information on Ingredients  
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Ingred Name: ETHYL ACETATE (SARA III)

CAS: 141-78-6

RTECS #: AH5425000

OSHA PEL: 400 PPM

ACGIH TLV: 400 PPM; 9192

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Ingred Name: ETHYL ALCOHOL (ETHANOL)

CAS: 64-17-5

RTECS #: RQ6300000

OS

HA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 8990

Ingred Name:N-HEPTANE  
CAS:142-82-5  
RTECS #:MI7700000  
OSHA PEL:500 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)  
CAS:108-10-1  
RTECS #:SA9275000  
OSHA PEL:100 PPM/75 STEL  
ACGIH TLV:50 PPM/75 STEL; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:  
5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 7060 MG/KG (ETHANOL)

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

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

Health Hazards Acute and Chronic:ACUTE: MAY BE HARMFUL IF INHALED. MAY  
BE HARMFUL IF ABSORBED THROUGH THE SKIN. LIQUID OR VAPOR MAY CAUSE  
IRRITATION TO THE EYES. CHRONIC: MAY BE FATAL OR CAUSE BLINDNESS IF  
SWALLOWED.

Explanation of Carcinog

enicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:PROLONGED EXPOSURE TO EXCESSIVE CONCS. OF  
ETHANOL MAY RESULT IN IRRITATION OF MUCOUS MEMBRANES, HEADACHE,  
DROWSINESS, FATIGUE AND NARCOSIS. METHANOL IS ALSO A CUMULATIVE  
NARCOTIC. OVEREXPOSURE OF METH ANOL CAN RESULT IN ACIDOSIS AND  
VISUAL DISTURBANCES WHICH MAY PROGRESS TO PERMANENT LOSS OF VISION.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY O

F AILMENTS

OR WITH A PRE-EXISTING DISEASE INVOLVING THE SKIN, EYE, RESPIRATORY TRACT, LIVER OR KIDNEY MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures  
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First Aid:INHALATION-REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES-IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHIN G. FLUSH WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL

ADVICE. INGESTION-INDUCE VOMITING IMMEDIATELY. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point Method:TCC

Flash Point:=12.8C, 55.F

Lower Limits:3.5

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, "ALCOHOL" FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRA

Y TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

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Accidental Release Measures  
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Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. SMALL SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS. FOR LARGE SPILLS, FLUSH AREA WITH WATER SPRAY, PREVENT RUN OFF FROM ENTERING DRAINS, SEWERS OR STRE

AMS.

Neutralizing Agent:NOT APPLICABLE.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN A FLAMMABLE LIQUID STORAGE ROOM OR CABINET. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:MAKE FREQUENT CAREFUL LEAKAGE INSPECTIONS. ISOLATE FROM OXIDEZERS, CHEMICALS CAPABLE OF SPONTANEOUS HEATING, MATERIALS REACTING WITH AIR OR MOISTURE TO LIBERATE HEAT, IGNITION SOURC

ES

AND EXPLOSIVES. KEEP OUT OF DIRECT SUN & AWAY FROM HEAT.

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

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

Ventilation: MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST

MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves: SOLVENT RESISTANT.

Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES . DO

NOT BREATHE VAPORS OR MISTS. CAUTION: FOR MANUFACTURING, PROCESSING, REPACKING OR INDUSTRIAL USE. NOT FOR HOUSEHOLD USE. CONTAINER HAZARDOUS WHEN EMPTY. EMPTIED CONTAINERS RETAIN RESIDUAL LIQUID AND VAPOR.

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

HCC:F5

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: =73.9C, 165.F

Vapor Density: >1

Spec Gravity: 0.81

Evaporation Rate & Reference: