

121925  
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 6850  
NIIN: 001889875  
Manufacturer's CAGE: 7X274  
Part No. Indicator: A  
Part Number/Trade Name: LENS CLEANER

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General Information

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Item Name: CLEANING COMPOUND,OPTICAL LENS  
Company's Name: MMM SUPPLY  
Company's Street: 1734 HAYES AVENUE  
Company's P. O. Box:  
Company's City: LONG BEACH  
Company's State: CA  
Company's Country: US  
Company's Zip Code: 90813-1145  
Company's Emerg Ph #: 213-590-8633  
Company's Info Ph #: 213-590-8633  
Distributor/Vendor # 1:  
Distributor/Vendor # 1 Cage:  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: D  
Record No. For Safety Entry: 009  
Tot Safety Entries This Stk#: 009  
Status: SD  
Date MSDS Prepared: 09APR92  
Safety Data Review Date: 09APR92  
Supply Item Manager: CX  
MSDS Preparer's Name: DOD-HMIS (DGSC-SSH)  
Preparer's Company: DEFENSE GENERAL SUPPLY CENTER  
Preparer's St Or P. O. Box: 8000 JEFFERSON DAVIS HIGHWAY  
Preparer's City: RICHMOND  
Preparer's State: VA  
Preparer's Zip Code: 23297-5680

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Other MSDS Number:  
MSDS Serial Number: BMGWW  
Specification Number: MIL-C-43454  
Spec Type, Grade, Class: TYPE II  
Hazard Characteristic Code: F3  
Unit Of Issue: QT  
Unit Of Issue Container Qty: 1 QUART  
Type Of Container: PPP-C-186  
Net Unit Weight:

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NRC/State License Number: N/R  
Net Explosive Weight:  
Net Propellant Weight-Ammo: N/R  
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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Proprietary: NO  
Ingredient: ETHYL ALCOHOL (ETHANOL)  
Ingredient Sequence Number: 01  
Percent: 54.15  
Ingredient Action Code:  
Ingredient Focal Point: D  
NIOSH (RTECS) Number: KQ6300000  
CAS Number: 64-17-5  
OSHA PEL: 1000 PPM  
ACGIH TLV: 1000 PPM; 9192  
Other Recommended Limit: NONE SPECIFIED

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Proprietary: NO  
Ingredient: METHYL ALCOHOL (METHANOL) (SARA III)  
Ingredient Sequence Number: 02  
Percent: 2.85  
Ingredient Action Code:  
Ingredient Focal Point: D  
NIOSH (RTECS) Number: PC1400000  
CAS Number: 67-56-1  
OSHA PEL: S,200PPM/250STEL  
ACGIH TLV: S,200PPM/250STEL; 93  
Other Recommended Limit: NONE SPECIFIED

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Proprietary: NO  
Ingredient: DETERGENTS, MIL-D-16791, TYPE I  
Ingredient Sequence Number: 03

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Percent: 0.15  
Ingredient Action Code:  
Ingredient Focal Point: D  
NIOSH (RTECS) Number: 1000066DT  
CAS Number:  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE SPECIFIED

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Proprietary: NO  
Ingredient: WATER  
Ingredient Sequence Number: 04  
Percent: 42.9  
Ingredient Action Code:  
Ingredient Focal Point: D  
NIOSH (RTECS) Number: ZC0110000  
CAS Number: 7732-18-5  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Evaporation Rate And Ref: UNKNOWN  
Solubility In Water: COMPLETE  
Percent Volatiles By Volume: 99.85  
Viscosity: UNKNOWN

pH: N/K

Radioactivity:

Form (Radioactive Matl):

Magnetism (Milligauss): N/P

Corrosion Rate (IPY): UNKNOWN

Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: 60.0F,15.6C

Flash Point Method: TCC

Lower Explosive Limit: UNKNOWN

Upper Explosive Limit: UNKNOWN

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMI  
CAL.

Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AN  
D A

FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTA  
INERS

WITH WATER SPRAY.

Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF  
IGNITION

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Materials To Avoid: STRONG OXIDIZING AGENTS

Hazardous Decomp Products: CARBON MONOXIDE CAN FORM ON INCOMPLETE  
COMBUSTION.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data

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LD50-LC50 Mixture: LD50 (ORAL RAT) IS UNKNOWN

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: METHANOL, (THE DENATURANT USED IN THE ALC OHOL

PORTION OF THE FORMULA) IS TOXIC CAUSING CENTRAL NERVOUS SYSTEM DEPRES SION.

TOXICITY VARIES WITH AS LITTLE AS 4 ML INGESTED BEING TOXIC. METHANOL IS

VERY TOXIC TO THE OPTIC NERVE, CAUSING SIGHT DISTURBANCES AND BLINDNES S

WELL BELOW THE TOXIC AMOUNT. ALSO AN IRRITANT.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

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

Signs/Symptoms Of Overexp: EYE:IRRITATION. SKIN:IRRITATION, DEFATTING. INHALED:HEADACHE,DROWSINESS,LASSITUDE,LOSS OF APPETITE,INABILITY TO CONCENTRATE. INGESTED:G/I IRRITATION,NAUSEA,VOMITING,DIARRHEA,CENTRAL NERVOUS SYSTEM DEPRESSION.

Med Cond Aggravated By Exp: PERSONS WITH A HISTORY OF AILMENTS OR WITH A

PRE-EXISTING DISEASE INVOLVING THE SKIN, EYE, RESPIRATORY TRACT, LIVER OR

KIDNEY MAY BE AT INCREASED RISK FROM EXPOSURE.

Emergency/First Aid Proc: EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN.

SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESS ARY.

INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND

GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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#### Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ELIMINATE SOURCES OF IGNITION. VENTILATE

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REGULATIONS. DGSD-SSH SUGGESTS THAT DISPOSAL MAY BE DONE BY INCINERATION.

Precautions-Handling/Storing: STORE AS A FLAMMABLE LIQUID. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions: 'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPORS. TREAT THEM WITH ALL THE PRECAUTIONS DUE FULL ONES.

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Control Measures

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Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ORGANIC VAPOR

IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

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

LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves: NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection: SAFETY GLASSES OR SPLASH GOGGLES

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.

Suppl. Safety & Health Data: MMM SUPPLY IS OUT OF BUSINESS. MSDS IS WRITTEN AROUND THE SPECIFICATION FORMULA.

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Transportation Data

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Transportation Action Code:

Transportation Focal Point: D

Trans Data Review Date: 92100

DOT PSN Code: GJJ

DOT Symbol:

DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

DOT Class: 3

DOT ID Number: UN1993

DOT Pack Group: II

DOT Label: FLAMMABLE LIQUID

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DOT/DoD Exemption Number:  
 IMO PSN Code: HIN  
 IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o  
 IMO Regulations Page Number: 3230  
 IMO UN Number: 1993  
 IMO UN Class: 3.2  
 IMO Subsidiary Risk Label: -  
 IATA PSN Code: MBV  
 IATA UN ID Number: 1993  
 IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \*  
 IATA UN Class: 3  
 IATA Subsidiary Risk Class:  
 IATA Label: FLAMMABLE LIQUID  
 AFI PSN Code: MBV  
 AFI Symbols:  
 AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
 AFI Class: 3  
 AFI ID Number: UN1993  
 AFI Pack Group: II  
 AFI Label:  
 AFI Special Prov:  
 AFI Basic Pac Ref: 7-7  
 MMAC Code:

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N.O.S. Shipping Name: ETHANOL,METHANOL  
 Additional Trans Data:

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Disposal Data

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Disposal Data Action Code:  
 Disposal Data Focal Point:  
 Disposal Data Review Date:  
 Rec # For This Disp Entry:  
 Tot Disp Entries Per NSN:  
 Landfill Ban Item:  
 Disposal Supplemental Data:  
 1st EPA Haz Wst Code New:  
 1st EPA Haz Wst Name New:  
 1st EPA Haz Wst Char New:  
 1st EPA Acute Hazard New:  
 2nd EPA Haz Wst Code New:  
 2nd EPA Haz Wst Name New:  
 2nd EPA Haz Wst Char New:  
 2nd EPA Acute Hazard New:

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3rd EPA Haz Wst Code New:  
3rd EPA Haz Wst Name New:  
3rd EPA Haz Wst Char New:  
3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES  
Technical Review Date: 09APR92  
Label Date:  
MFR Label Number: NONE  
Label Status: F  
Common Name: LENS CLEANER  
Chronic Hazard: N/P  
Signal Word: DANGER!  
Acute Health Hazard-None:  
Acute Health Hazard-Slight: X  
Acute Health Hazard-Moderate:  
Acute Health Hazard-Severe:  
Contact Hazard-None: X  
Contact Hazard-Slight:  
Contact Hazard-Moderate:  
Contact Hazard-Severe:  
Fire Hazard-None:  
Fire Hazard-Slight:  
Fire Hazard-Moderate:  
Fire Hazard-Severe: X  
Reactivity Hazard-None: X  
Reactivity Hazard-Slight:  
Reactivity Hazard-Moderate:  
Reactivity Hazard-Severe:  
Special Hazard Precautions: FLAMMABLE LIQUID AND VAPOR. KEEP AWAY FROM  
HEAT, SPARKS, AND FLAME. KEEP CONTAINER CLOSED. USE WITH ADEQUATE

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VENTILATION. IN CASE OF FIRE, USE WATER SPRAY, FOAM, DRY CHEMICAL, OR  
CO2.  
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ION.

VENTILATE AREA. WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. RECOVER OR ABSORB.

Protect Eye:

Protect Skin:

Protect Respiratory:

Label Name: MMM SUPPLY

Label Street: 1734 HAYES AVENUE

Label P.O. Box:

Label City: LONG BEACH

Label State: CA

Label Zip Code: 90813-1145

Label Country: US

Label Emergency Number: 213-590-8633

Year Procured: 1985