

MMM SUPPLY -- LENS CLEANER -- 6850-00-188-9875

===== Product Identification =====

Product ID:LENS CLEANER
MSDS Date:04/09/1992
FSC:6850
NIIN:00-188-9875
MSDS Number: BMGWW
=== Responsible Party ===
Company Name:MMM SUPPLY
Address:1734 HAYES AVENUE
City:LONG BEACH
State:CA
ZIP:90813-1145
Country:US
Info Phone Num:213-590-8633
Emergency Phone Num:213-590-8633
Preparer's Name:DOD-HMIS (DGSC-SSH)
CA
GE:KO546
=== Contractor Identification ===
Company Name:MMM SUPPLY
Address:1734 HAYES AVENUE
Box:City:LONG BEACH
State:CA
ZIP:90813-1145
Country:US
Phone:213-590-8633
CAGE:KO546
Company Name:MMM SUPPLY INC
Address:1734 HAYES AVE
Box:City:LONG BEACH
State:CA
ZIP:90813-1145
Country:US
Phone:213-590-8633
CAGE:7X274

===== Composition/Information on Ingredients =====

Ingred Name:ETHYL ALCOHOL (ETHANOL)
CAS:64-17-5
RTECS #:KQ6300000
Fraction by Wt: 54.15%
Other REC Limits:NONE SPEC

IFIED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)
CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: 2.85%
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

Ingred Name:DETERGENTS, MIL-D-16791, TYPE I
Fraction by Wt: 0.15%
Other REC Limits:NONE SPECIFIED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 42.9%
Other REC Limits:NONE SPECIFIED

Ingred Name:
SPEC CALLS FOR 57% DENATURED ALCOHOL WHICH CONSISTS OF
INGREDIENTS 1 & 2 ABOVE.
RTECS #:9999999ZZ
Fraction by Wt: 57%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE ABOVE
ACGIH TLV:SEE ABOVE

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:METHANOL,(THE DENATURANT USED IN THE
ALCOHOL PORTION OF THE FORMULA) IS TOXIC CAUSING CEN
TRAL NERVOUS
SYSTEM DEPRESSION. TOXICITY VARIES WITH AS LITTLE AS 4 ML INGESTED
BEING TOXIC. METHANOL IS VERY TOXIC TO THE OPTIC NERVE, CAUSING
SIGHTDISTURBANCES AND BLINDNESS WELL BELOW THE TOXIC AMOUNT. ALSO
AN IRRITANT.

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

Effects of Overexposure:EYE:IRRITATION. SKIN:IRRITATION, DEFATTING.
INHALED:HEADACHE,DROWSINESS,LASSITUDE,LOSS OF APPETITE,INABILI

TY TO

CONCENTRATE. INGESTED:G/I
IRRITATION,NAUSEA,VOMITING,DIARRHEA,CENTRAL NERVOUS SYSTEM
DEPRESSION.

Medical Cond Aggravated by Exposure: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.

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===== First Aid Measures =====

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH
SOAP & WATER. REMOVE CONTAMINA
TED CLOTHING AND LAUNDER BEFORE
REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF
NECESSARY. INGESTED:D O 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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===== Fire Fighting Measures =====

Flash Point Method:TCC
Flash Point:60.0F,15.6C
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY

CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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===== Accidental Release Measures =====

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. VENTILATE AREA.
WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTI
VE CLOTHING.
CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE
NECESSARY, COLLECT USING ABSORBENT MEDIA. WASH RESIDUE WITH WATER.
Neutralizing Agent:NOT APPLICABLE.

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===== Handling and Storage =====

Handling and Storage Precautions: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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===== Exposure Controls/Personal Protection =====

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.

Supplemental Safety and Health

MMM SUPPLY IS OUT OF BUSINESS. MSDS IS WRITTEN AROUND THE SPECIFICATION FORMULA.

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

HCC:F2

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID, ALCOHOL ODOR

Percent Volatiles by Volume:99.85

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

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

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===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. DGSD-SSH SUGGESTS THAT DISPOSAL MAY BE DONE BY INCINERATION.

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