

LENMAR INC -- LACQUER, ACRYLIC NITROCELLULOSE GLOSS, P-93 -- 8010-00-527-2507
===== Product Identification =====

Product ID:LACQUER, ACRYLIC NITROCELLULOSE GLOSS, P-93

MSDS Date:06/22/1993

FSC:8010

NIIN:00-527-2507

MSDS Number: BRKFP

=== Responsible Party ===

Company Name:LENMAR INC

Address:150 S CALVERTON RD

City:BALTIMORE

State:MD

ZIP:21223

Country:US

Info Phone Num:410-947-2300

Emergency Phone

Num:410-947-2300

CAGE:0BDY9

=== Contractor Identification ===

Company Name:LENMAR, INC.

Address:150 SOUTH CALVERTON ROAD

Box:City:BALTIMORE

State:MD

ZIP:21223

Country:US

Phone:410-947-2300/410-358-5524

CAGE:0BDY9

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

Ingred Name:TOLUENE (METHYLBENZENE) (SARA III) (VAPOR PRESSURE 22 MM HG
@ 20C)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 9-19%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 92

93

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ACETONE (2-PROPANONE) (SARA III) (VAPOR PRESSURE 180 MM HG @ 20C)

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 8-18%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM

ACGIH TLV:750PPM/1000STEL;9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:N-BUTYL ACETATE (BUTYL ESTER, ACETIC ACID) (VAPOR PRESSURE 8 MM HG @ 20C)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 4-14%

Other REC Limits:NONE SPECIFIED

OSHA PEL:150 PPM

ACGIH

TLV:150 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPANOL (2-PROPANOL) (SARA III) (VAPOR PRESSURE 33 MM HG @ 20C)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 2-12%

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM

Ingred Name:METHYL ISOBUTYL KETONE (4-METHYL, 2-PENTANONE) (SARA III) (VAPOR PRESSURE 18 MM HG @ 20C)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 1-10%

Other REC Limits:NONE SPECIFIED

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:PROPYLENE GLYCOL METYL ACETATE (1-METHOXY-2-ACETOXYPROPANE)
(VAPOR PRESSURE 3.7 MM @ 20 C)
CAS:108-65-6
RTECS #:AI8925000
Fraction by Wt: 1-10%
Other REC Limits:NONE SPECIFIED

Ingred Name:BUTANOL (1-BUTANOL) (VAPOR PRESSURE 5.5 MM HG @ 20C)
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 1-3%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:S, C 50 PPM; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NITROCELL
ULOSE
CAS:9004-70-0
RTECS #:QW0970000
Fraction by Wt: 1-7%
Other REC Limits:NONE SPECIFIED

Ingred Name:DIOCTYL PHTHALATE (ADDITIVE) (SARA III)
CAS:117-81-7
RTECS #:TI0350000
Fraction by Wt: 1-11%
Other REC Limits:NONE SPECIFIED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:VOC: 5.236 LBS/GAL; 627.4 GRAMS/LITER
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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

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

ports of Carcinogenicity:NTP:YES IARC:YES
Health Hazards Acute and Chronic:ACUTE;INHAL:ANESTHETIC, RESPRTRY TRACT
IRRIT, ACUTE NERVOUS SYS DEPRESSN
(HEADACHE,DIZZINESS,STAGGERING,CONFUSION, UNCONSCIOUSNESS,COMA).
SKIN/EYE:PRIMARY IRRIT. TEMP DRYING EFFECT/MUCOUS MEMBRANE IRR IT.
CARDIAC EFFECTS. LIVER ABNORMALITIES. ANIMAL STUDY: CARDIAC
SENSITIZATN (HYPOXIA), LIVER, KIDNEY, LUNG, SPLEEN DAMAG

Explanation of Carcinogenicity:DIOCTYL PHTHALATE LISTED CARCINOGEN/
POTENTIA

L CARCINOGEN BY NTP & IARC.

Effects of Overexposure:CHRONIC; REPEATED/PROLONGED EXPOSURE: PERMANENT
BRAIN & NERVOUS SYSTEM DAMAGE. CONCENTRATING & INHALING MAT'L MAY
BE HARMFUL/FATAL.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING
DIFFICULT. CALL PHYSICIAN. EYES: FLUSH IMMEDIATELY WITH RUNNING
WATER FOR AT LEAST 15 MINUTES. SEE DR FOR DEFINITI

VE MEDICAL

TREATMENT. SKIN: WASH AREA PROMPTLY WITH WATER. REMOVE
CONTAMINATED CLOTHING, WASH BEFORE REUSE. SEE DR. INGESTION: CALL
DR OR POISON CONTROL CENTER IMMED. IF CONSCIOUS GIVE 1-2 GLASSES
WATER. DONT INDUCE VOMITING.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:21.0F,-6.1C

Lower Limits:1.4

Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL,
WATER FOG

Fire Fighting Procedures:WATER MAY BE
INEFFECTIVE, USE TO COOL FIRE

EXPOSED CNTNRS (PREVENT EXPLOSION). AVOID EXPOSURE TO FUMES. IF
EXPOSED GET IMMED MED AID. USE SCBA IN ENCLOSED AREAS

Unusual Fire/Explosion Hazard:TOXIC GASES EVOLVED WHEN BURNING. KEEP
CNTNRS CLSD. KEEP FROM HEAT/IGNIT. CLSD CNTNR MAY EXPLODE W/HEAT.
DONT APPLY TO HOT SRFCS. DONT STORE/MIX W/OXIDANTS.

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

Spill Release Procedures:REMOVE IGNITION SOURCE. MOP UP SPILLS/ADD
ABSORBEN

T. USE NON-SPARK TOOLS. USE VENT. MOVE LEAKING CONTAINERS OUTDOORS, OBSERVING PRECAUTIONS WITH REGARD TO FIRE, SPARK, FLAME HAZARD. RUNOFF TO WATERWAY CREATES FIRE HZD. NOTIFY FIRE & HEALTH AGENCIES.

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

Handling and Storage Precautions: STORE IN VENTD WAREHOUSE. KEEP OUT OF SUNLIGHT/OTHER HEAT SOURCE. KEEP CNTNR CLOSED. NO SMOKING. DONT INGEST- HARMFUL/FATAL. GRND CNTNRS WHEN POURING.

Other Precautions: AVOID FRE

E FALL > FEW INCHES. CLOSE CNTNR AFTER USE.

DONT TRANSFER TO BOTTLES/OTHER UNLABELED CNTNR. AVOID PROLONGD SKIN CONTACT/BREATHING VAPOR. EXTINGUISH PILOT LIGHTS. USE NON SPARK TOOL/EXPLOSN PROOF EQUIP. DONT APPLY TO HOT SRFC. USE W/VENT.

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

Respiratory Protection: OPEN AREAS, USE MECHANICAL FILTER RESPIRATOR (RMV SOLID PARTICLES). RESTRICTED VENT, USE CHEM/MECHAN FILTER (RMV PARTICLES & VAPOR). CONFINED AREAS, USE AIRLINE TYPE RESPIRATOR OR

HOOD. WEAR NIOSH RSP RTR DURING/AFTER APPLIC TILL BELOW TLV.

Ventilation: USE APPROVED SPRAY BOOTH. PROVIDE GENERAL DILUTION/LOCAL EXHAUST TO KEEP BELOW TLV.

Protective Gloves: REQUIRED FOR PROLONGED/REPEATED CONTACT

Eye Protection: SPLASH PROOF GOGGLES

Other Protective Equipment: NONE REQUIRED

Work Hygienic Practices: NONE REQUIRED

Supplemental Safety and Health

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

HCC: F2

Boiling Pt: B.P. Text: 176 TO

313 F

Vapor Density: > AIR

Evaporation Rate & Reference: SLOWER THAN ETHER

Percent Volatiles by Volume: 75

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

Stability Indicator/Materials to Avoid: YES

OXIDIZING AGENTS

Stability Condition to Avoid: TEMPERATURES IN EXCESS OF 150 F IN CLOSED CONTAINER. EXPOSURE TO HEAT, SPARKS, OPEN FLAME AND HOT SURFACES.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROCELLULOSE

Conditions to Avoid Polymer

ization:TEMPERATURES IN EXCESS OF 150F IN
CLOSED CONTAINER. EXPOSURE TO HEAT, SPARKS, OPEN FLAME AND HOT
SURFACES.

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

Waste Disposal Methods:RECLAIM MATERIAL, INCINERATE, OR USE SANITARY
LANFILL METHOD OF DISPOSAL, IN ACCORDANCE WITH FEDERAL, STATE, AND
LOCAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. SEAL DRUMS
TIGHTLY.

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