

LENMAR, INC -- N-231 TT-L-32A LACQUER CELLULOSE NITRATE, CLE

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MSDS Safety Information
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FSC: 8010
NIIN: 00-251-6495
MSDS Date: 03/01/1993
MSDS Num: BWSDV
Product ID: N-231 TT-L-32A LACQUER CELLULOSE NITRATE, CLEAR
MFN: 01
Responsible Party
Cage: 36489
Name: LENMAR, INC
Address: 150 SOUTH CALVERTON ROAD
City: BALTIMORE MD 21223
Info Phone Number: 401-947-2300
Emergency Phone Number: 401-358-5524 NIGHT/401-947-2300 DAY
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 0BDY9
Name: LENMAR, INC.
Address: 150 SOUTH CALVERTON ROAD
City: BALTIMORE MD 21223
Phone: 410-947-2300/410-358-5524
Cage: 36489
Name: LENMAR, INC
Address: 150 SOUTH CALVERTON ROAD
City: BALTIMORE MD 21223
Phone: (301)
947-2300

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Item Description Information
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Item Manager: GSA
Item Name: LACQUER
Unit of Issue: GL
UI Container Qty: 4

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Ingredients
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Cas: 67-63-0
RTECS #: NT8050000
Name: ISOPROPANOL (2-PROPANOL) (SARA III) (VAPOR PRESSURE 33 MM HG @ 20C)
% Wt: 12-22
Other REC Limits: NONE RECOMMEN

DED
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM

Cas: 123-86-4
RTECS #: AF7350000
Name: N BUTYL ACETATE (BUTYL ESTER, ACETIC ACID) (CERCLA) (VAPOR PRESSURE 8 MM HG @ 20C)
% Wt: 9-19
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 150 PPM
ACGIH TLV: 150 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (METHYLBENZENE) (SARA III) (CERCLA) (VAPOR PRESSURE 22 MM HG @ 20C)
% Wt: 8-18
Other REC Limits:
NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: 100 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 64475-85-0
RTECS #: PY8240000
Name: SOLVENT NAPHTHA (PETROLEUM, MEDIUM ALIPHATIC) (VAPOR PRESSURE <5 MM HG @ 20C)
% Wt: 4-14
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM

Cas: 142-82-5
RTECS #: MI7700000
Name: HEPTANE (HEPTANE) (VAPOR PRESSURE 35.5 MM HG @ 20C)
% Wt: 3-13
Other REC Limits: NONE

RECOMMENDED
OSHA PEL: 500 PPM
ACGIH TLV: 400 PPM

Cas: 67-64-1
RTECS #: AL3150000
Name: ACETONE (SARA 313) (CERCLA) (VAPOR PRESSURE 180 MM HG @ 20C)
% Wt: 3-13
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1000 PPM
ACGIH TLV: 750 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 78-93-3
RTECS #: EL6475000
Name: METHYL ETHYL KETONE (2-BUTANONE) (SARA 313) (CERCLA) (VAPOR PRESSURE 70 MM HG @ 20C)
% Wt: 1-8
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 200 PPM
ACGIH TLV: 200 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 71-36-3
RTECS #: EO1400000
Name: BUTANOL (1-BUTANOL) (SARA 313) (CERCLA) (VAPOR PRESSURE 5.5 MM HG @ 20C)
% Wt: 1-8
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: 50 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 117-81-7
RTECS #: TI0350000
Name: DIOCTYL PHTHALATE (SARA 313) (CERCLA)
% Wt: 1-7
Other REC Limits:

NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

Cas: 9004-70-0
RTECS #: QW0970000
Name: NITROCELLULOSE
% Wt: 1-7

Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Name: OIL MODIFIED POLYESTER SOLUTION
% Wt: 13-23
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

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Health Hazards Data

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Route Of Entry Inds - Inhalation: YES
Skin: YES
Carcinogenicity Inds - NTP: YES
IARC: YES

Effects of Exposure: INHAL: ANESTHETIC. RESP TRACT IRRITATION OR ACUTE NERVOUS
SYSTEM DEPRESSION (HEADACHE,DIZZY,STAGGER,CONFUSION,UNCONSCIOUS,COMA). SKIN
OR EYE CONTACT: PRIMARY IRRITANT. REPORTS HAVE ASSOCIATED REPEATED &
PROLONGED OCCUPATIONAL EXPOSURE TO SOLVENTS W/PERMANENT BRAIN & NERVOUS

SYSTEM DAMAGE.CONC & INHALING-HARMFUL/FATAL.*

Explanation Of Carcinogenicity: DIOCTYL PHTHALATE HAS BEEN LISTED AS A
CARCINOGEN OR POTENTIAL CARCINOGEN FOR HAZARD COMMUNICATION BY NTP &
IARC.

Signs And Symptions Of Overexposure: * CARDIAC EFFECTS IN HUMANS, LIVER
ABNORMALITIES. ANIMAL: CARDIAC SENSITIZATION (FATAL CHANGES IN HEART
RHYTHMS), HEARING DEFICITS, LIVER ABNORMALITIES, KIDNEY, LUNG, & SPLEEN
DAMAGE. LONG TERM EXCESS IVE EXPOSURES MAY CAUSE TALCOSIS, PULMONARY FIB

ROSIS

WHICH MAY LEAD TO SEVERE & PERMANENT DAMAGE TO LUNG.

Medical Cond Aggravated By Exposure: NONE

First Aid: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING DIFFICULT. CALL A PHYSICIAN. SPLASH (SKIN): WASH AFFECTED AREAS PROMPTLY WITH WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. CA LL A PHYSICIAN. INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. IF CONSCIOUS GIVE ONE OR TWO GLASSES OF WATER. DO NOT INDUCE VOMITING.

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Handling and Disposal

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Spill Release Procedures: REMOVE IGNITION SOURCES. MOP UP SPILLS/ADD ABSORBENT. USE NON-SPARKING TOOLS. USE W/ADEQUATE VENT. MOVE LEAKING CONTAINERS OUTDOORS, OBSERVING PRECAUTIONS WITH HAZARD TO FIRE, SPARKS & FLAME HAZARD. R UNOFF TO WATERWAY CREATES FIRE HAZARD:NOTIFY **

Neutralizing Agent: N/K ** FIRE AND HEALTH AGENCIES.

Waste Disposal Methods: RECLAIM MATERIAL, INCI

NERATE, OR USE SANITARY LANDFILL

METHOD OF DISPOSAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. SEAL DRUMS TIGHTLY.

Handling And Storage Precautions: DON'T INGEST, HARMFUL OR FATAL. GROUND CNTNR WHEN POURING. AVOID LIQ FREE FALL >FEW INCHES. CLOSE CNTNR AFTER USE. DON'T TRANSFR TO UNLABELED CNTNR.

Other Precautions: AVOID PROLONGED CONTACT/BREATHING VAPOR. USE NON-SPARK TOOLS/EXPLOSION PROOF EQUIP. DON'T APPLY TO HOT SRFCS. EMPTY CN

TNR RETAIN

RESIDUE, CAN BE DANGEROUS. DON'T PRESSURIZE,CUT,WELD,ETC SUCH CNTNRS. R ETURN EMPTY DRUMS TO RECONDITIONER.***

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Fire and Explosion Hazard Information

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Flash Point Method: SCC

Flash Point Text: 45.0F,7.2C

Lower Limits: 1.0

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

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

CNTNR.AVOID UNNEEDED EXPOSURE TO FUMES.PERSON EXPOSED TO FUMES SHOULD GET IMMED MED AID.USE SCBA IF ENCLOSED.

Unusual Fire/Explosion Hazard: TOXIC GASES EVOLVED WHEN BURNING.KEEP CNTNR CLSD.KEEP FROM HEAT,ELEC EQUIP,OPEN FLAME,STATIC ELEC.CLSD CNTNR MAY EXPLODE W/HEAT.DON'T APPLY TO HOT SURFACES.

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Control Measures

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Respiratory Protection: OPEN AREA, USE MECHANICAL FILTER

RESPIRATOR (REMOVE PARTICLES). IN RESTRICTED VENT, CHEMICAL/MECHANICAL FILTERS (PARTICLES & VAPOR). IN CONFINED, AIRLINE RSPRTR OR HOODS. WEAR FITTED, NIOSH RESPIRATOR DURING/AFTER APPLIC UNLESS <TLV/PEL.

Ventilation: USE APPROVED SPRAY BOOTH. GENERAL DILUTION/LOCAL EXHAUST TO KEEP CONCENTRATIONS OF HAZARDOUS INGREDIENTS BELOW TLV.

Protective Gloves: REQUIRED FOR PROLONGED/REPEATED CONTACT

Eye Protection: SPLASH-PROOF GOGGLES

Other Protective Equipment: NONE REQUIRED

Work Hygiene

Practices: NONE REQUIRED

Supplemental Safety and Health: *** ALL OTHER CONTAINERS SHOULD BE DISPOSED IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENT REGULATIONS. FOR WORK ON TANKS REFER TO OSHA REGULATIONS, ANSI Z49.1, AND OTHER GOVERNMENTAL AND INDUSTRIAL REFERENCE PERTAINING TO CLEANING, REPAIRING, WELDING OR OTHER OPERATIONS.

Physical/Chemical Properties

B.P. Text: 133 TO 282F

Vapor Density: > AIR

Evaporation Rate & Reference: SLOWER THAN ETHER

Percent Volatiles by Volume: 77

Reactivity Data

Stability Indicator: YES

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

Materials To Avoid: OXIDIZING AGENTS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN.

Hazardous Polymerization Indicator: NO

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

Toxicological Information

Ecological Information

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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: 36489
Trans ID NO: 61346
Product ID: N-231 TT-L-32A LACQUER CELLULOSE NITRATE, CLEAR
MSDS Prepared Date: 03/01/1993
Review Date: 03/09/1995
MFN: 1
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: GL
Container QTY: 4
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Detail DOT Information
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DOT PSN Code: LFD
DOT Proper Shipping Name: PAINT
DOT PSN Modifier: INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS,
VARNISH, POLISH, LIQUID FILLER, AND LIQUID LACQUER BASE
Hazard Class: 3
UN ID Num: UN1263
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: B52,T7,T30
Packaging Exception: 150
Non Bulk Pack: 173
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B
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Detail IMO Information
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IMO PSN Code:
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LCP

IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL

IMO PSN Modifier: (INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS, VARNISH, POLISH, LIQUID FILLER AND LIQUID LACQUER BASE) OR (INCLUDING PAINT THINNING OR REDUCING COMPOUND) o

IMDG Page Number: 3268

UN Number: 1263

UN Hazard Class: 3.2

IMO Packaging Group: I/II *

Subsidiary Risk Label: -

EMS Number: 3-05

MED First Aid Guide NUM: 310

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Detail IATA Information

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IATA PSN Code: SXI

IATA UN ID Num: 1263

IATA Proper Shipping Name: PAINT

IATA PSN Modifier: (INCLUDING PAINT,LACQUER,ENAMEL,STAIN,SHELLAC,VARNISH,POLISH,LIQUID FILLER AND LIQUID LACQUER BASE)

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

UN Packing Group: II

Packing Note Passenger: 305

Max Quant Pass: 5L

Max Quant Cargo: 60L

Packaging Note Cargo: 307

Exceptions: A7,A72

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Detail AFI Inform
ation

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AFI PSN Code: SXI

AFI Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL

AFI PSN Modifier: (INCLUDING PAINT,LACQUER,ENAMEL,STAIN,SHELLAC SOLUTIONS,VARNISH,POLISH,LIQUID FILLER AND LIQUID LACQUER BASE) OR (INCLUDING PAINT THINNING OR REDUCING COMPOUNDS)

AFI Hazard Class: 3

AFI UN ID NUM: UN1263

AFI Packing Group: II

Special Provisions: P5

Back Pack Reference: A7.3

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abel

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Product ID: N-231 TT-L-32A LACQUER CELLULOSE NITRATE, CLEAR

Cage: 36489

Company Name: LENMAR, INC

Street: 150 SOUTH CALVERTON ROAD

City: BALTIMORE MD

Zipcode: 21223

Health Emergency Phone: 401-358-5524 NIGHT/401-947-2300 DAY

Label Required IND: Y

Date Of Label Review: 12/16/1998

Status Code: C

Label Date: 12/16/1998

Origination Code: G

Hazard And Precautions: INHAL: ANESTHETIC. RESP TRACT IRRITATION OR ACUTE
NERVOUS SYSTEM DEPRESSIO

N

(HEADACHE,DIZZY,STAGGER,CONFUSION,UNCONSCIOUS,COMA). SKIN OR EYE CONTACT:
PRIMARY IRRITANT. REPORTS HAVE ASSOCIATED REPEATED & PROLONGED
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DAMAGE.CONC & INHALING-HARMFUL/FATAL.** CARDIAC EFFECTS IN HUMANS, LIVER
ABNORMALITIES. ANIMAL: CARDIAC SENSITIZATION (FATAL CHANGES IN HEART
RHYTHMS), HEARING DEFICITS, LIVER ABNORMALITIES, KIDNEY, LUNG, & SPLEEN
DAMAGE. LONG TERM EXCESSIVE EXPOSURES MAY CAUSE
TALCOSIS, PULMONARY FIBROSIS
WHICH MAY LEAD TO SEVERE & PERMANENT DAMAGE TO LUNG.

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