

LENMAR, INC -- Y-849 MIL-P-23377F PRIMER COATING, COMP A

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MSDS Safety Information  
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FSC: 8010  
NIIN: 01-312-1169  
MSDS Date: 07/26/1993  
MSDS Num: BVGRQ  
Product ID: Y-849 MIL-P-23377F PRIMER COATING, COMP A  
MFN: 01  
Kit Part: Y  
Responsible Party  
Cage: 36489  
Name: LENMAR, INC  
Address: 150 SOUTH CALVERTON R  
OAD  
City: BALTIMORE MD 21223  
Info Phone Number: 401-947-2300  
Emergency Phone Number: 401-358-5524/401-947-2300  
Review Ind: Y  
Published: Y

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Contractor Summary  
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Cage: OBDY9  
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 Name: PRIMER COATING  
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Ingredients  
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Cas: 108-88-3  
RTECS #: XS5250000  
Name: TOLUENE (SARA III) (METHYLBENZENE) (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

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Cas: 108-10-1  
RTECS #: SA9275000  
Name: METHYL ISOBUTYL KETONE (4-METHYL, 2-PENTANONE) (SARA III) (VAPOR PRESSURE 18 MM HG @ 20C)  
% Wt: 6-16  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 100 PPM  
ACGIH TLV: 50 PPM  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS

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Cas: 1330-20-7  
RTECS #: ZE2100000  
Name: XYLENE (DIMETHYLBENZENE) (SARA III) (VAPOR PRESSURE 10 MM HG @ 20C)  
% Wt: 3-13  
Other REC Limits: NO  
NE RECOMMENDED  
OSHA PEL: 100 PPM  
ACGIH TLV: 100 PPM  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS

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Cas: 78-93-3  
RTECS #: EL6475000  
Name: METHYL ETHYL KETONE (2-BUTANONE) (SARA III) (VAPOR PRESSURE 70 MM HG @ 20C)  
% Wt: 1-7  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 200 PPM  
ACGIH TLV: 200 PPM  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS

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Cas: 25036-25-3  
Name: 4,4'ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN RESIN  
% Wt: 17-27  
Other REC Limits:

NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 13463-67-7  
RTECS #: XR2275000  
Name: TITANIUM DIOXIDE (HAZARD BASED ON EXPOSURE TO TITANIUM DIOXIDE DUST ONLY)  
% Wt: 1-9  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 14807-96-6  
RTECS #: WW2710000  
Name: TALC  
% Wt: 4-14  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 7789-06-2  
RTECS #: GB3240000  
Name: STRONTIUM CHROMATE (SARA III)  
% Wt: 4.11  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 0.1MG/M3 AS CHROMATE  
ACGIH TLV: 0.5 MG/M3 AS CHROME  
EPA Rpt Qty: 10 LBS  
DOT Rpt Qty: 10 LBS

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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES  
Skin: YES  
IARC: YES

Effects of Exposure: INHALATION: ANESTHETIC. RESPIRATORY TRACT IRRITATION OR

ACUTE NERVOUS SYSTEM DEPRESSION (HEADACHE, DIZZINESS, STAGGERING, CONFUSION, UNCONSCIOUSNESS, COMA). SKIN OR EYE: PRIMARY IRRITANT. REPORTS ASSOCIATE REPEATED/PROLONGED EXPOSURE W/PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. CONCENTRATING & INHALING HARMFUL/FATAL.

Explanation Of Carcinogenicity: STRONTIUM CHROMATE-LISTED HUMAN CARCINOGEN (CHROME CONTENT).IARC LISTS CRYSTALLINE SILICA AS LIMITED EVIDENCE TO HUMANS.

Signs And Symptoms Of Overexposure: NOTE TO PHYSICIAN: IF

MORE THAN 2.0 ML/KG  
HAS BEEN INGESTED & VOMITING HAS NOT OCCURRED, INDUCE EMESIS  
W/SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. IF  
SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS, UNCONSCIOUSNESS BEFORE  
EMESIS, GASTRIC LAVAGE USING CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.  
Medical Cond Aggravated By Exposure: NONE KNOWN  
First Aid: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING DIFFICULT.  
CALL DR. EYES: FLUSH IMMEDIATELY W/COPIOUS QUANTITIES OF RUNNING  
G WATER FOR AT LEAST  
15 MIN. SEE DR FOR DEFINITIVE MEDICAL TREATMENT. SKIN : WASH PROMPTLY WITH  
WATER. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE. SEE DR.  
INGESTION: CALL DR OR POISON CONTROL CENTER IMMEDIATELY. IF CONSCIOUS GIVE 1-2  
GLASSES WATER. DO NOT INDUCE VOMITING.

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Handling and Disposal  
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Spill Release Procedures: REMOVE IGNITION SOURCES. MOP UP SPILL OR ADD  
ABSORBENT  
. USE NON-SPARK TOOLS, USE ADEQUATE VENT. MOVE LEAKING CONTAINERS  
OUTDOORS, OBSERVING PRECAUTION W/REGARD TO FIRE, SPARK & FLAME HZD.  
RUNOFF TO WATERWAY CREATES FIRE HZD. NOTIFY FIRE/HLTH AGENCIES  
Waste Disposal Methods: RECLAIM MATERIAL, INCINERATE 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: STORE IN WELL-VENTED WAREHOUSE. KEEP OUT OF  
DIRECT SUNLIGHT/HEAT SOURCE. KEEP CONTAINERS CLOSED. NO SMOKING. DO NOT  
INGEST (HARMFUL/FATAL).  
Other Precautions: GROUND CONTAINER WHEN POURING. AVOID FREE FALL OF LIQUID > FEW  
INCHES. CLOSE CONTAINER AFTER USE. DON'T TRANSFER PRODUCT TO BOTTLES OR UNLABELED  
CONTAINERS. AVOID SKIN CONTACT/BREATHING VAPOR. EXTINGUISH PILOT LIGHTS . USE  
NON-SPARKING TOOLS & EXPLOSION \*

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Fire and Explosion Hazard Information  
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Flash Point Method: SCC  
Flash Point Text: 57.0F, 13.9C  
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 EXPOSED  
CONTAINERS. AVOID EXPOSURE TO FUMES. ANY PERSON EXPOSED TO SUCH FUMES SHOULD  
GET IMMEDIATE MED AID. WEAR SCBA.  
Unusual Fire/Explosion Hazard: TOXIC GASES EVOLVED W/HEAT. KEEP CONTAINER CLOSED. KEEP  
FROM HEAT/IGNITION SOURCE. CLOSED CONTAINER MAY EXPLODE W/HEAT.

DON'T APPLY TO HOT  
SRFCS.DON'T STORE/MIX W/STRONG OXIDANTS.

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Control Measures  
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Respiratory Protection: IN OPEN AREAS USE MECHAN FILTER RESPRTR. IN RESTRICTED  
VENT AREAS USE CHEM/MECHAN FILTER. IN CONFINED AREAS USE AIRLINE TYPE  
RESPIRATORS OR HOODS. WEAR FITTED, RESPRIATOR DURING & AFTER APPLICATION  
UN LESS <TLV/PEL.FOLLOW MFR'R INSTRUCTIONS.

Ventilation: USE APPROVED SPR  
AY BOOTH.PROVIDE GENERAL DILUTION/LOCAL EXHAUST  
VENT TO KEEP CONCENTRATION OF MOST HAZARDOUS INGRED<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: \* PRECAUTIONS CONT'D: PROOF EQUIP. KEEP FROM  
HEAT/IGNIT SOURCE. DONT APPLY TO HOT SRFCS. USE W/VENT. AVOID BREATHING  
SANDING DUST. IF KIT MIXED, FOLLOW PRECAUTIONS OF BOTH PAR

TS OF KIT. EMPTY

CNTNR RE TAIN RESIDUE; DONT ATTEMPT TO CLEAN. DONT  
PRESSURIZE,CUT,WELD,BRAZE,SOLDER,DRILL,ETC. DISPOSE OF CNTNR IN SAFE MANNER.

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Physical/Chemical Properties  
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HCC: F3

B.P. Text: 176 TO 281F

Vapor Density: > AIR

Evaporation Rate & Reference: SLOWER THAN ETHER

Percent Volatiles by Volume: 81

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Reactivity Dat  
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Stability Indicator: YES

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

Materials To Avoid: OXIDIZING AGENTS

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, ALDEHYDES  
AND ACIDS MAY BE FORMED DURING COMBUSTION.

Hazardous Polymerization Indicator: NO

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Toxicological Informati

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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: 124328  
Product ID: Y-849 MIL-P-23377F PRIMER COATING, COMP A  
MSDS Prepared Date: 07/26/1993  
Review Date: 09/26/1994  
MFN: 1  
Multiple KIT Number: 0  
Kit Part IND: Y  
Review IND: Y  
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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: 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/I  
| \*  
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: 3  
05  
Max Quant Pass: 5L  
Max Quant Cargo: 60L  
Packaging Note Cargo: 307  
Exceptions: A7, A72

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Detail AFI Information  
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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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HAZCOM Label  
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Product ID: Y-849 MIL-P-23377F PRIMER COATING, COMP A  
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: INHALATION: ANESTHETIC. RESPIRATORY TRACT IRRITATION OR ACUTE NERVOUS SYSTEM DEPRESSION (HEADACHE, DIZZINESS, STAGGERING, CONFUSION, UNCONSCIOUSNESS, COMA). SKIN OR EYE: PRIMARY IRRITANT. REPORTS ASSOCIATE REPEATED/PROLONGED EXPOSURE W/PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. CONCENTRATING & INHALING HARMFUL/FATAL. NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML/KG HAS BEEN INGESTED & VOMITING HAS NOT OCCURRED, INDUCE EMESIS W/SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS, UNCONSCIOUSNESS BEFORE EMESIS, GASTRIC LAVAGE USING CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

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