

GENERAL ELECTRIC -- 103-112, LEXAN RESIN
MATERIAL SAFETY DATA SHEET
NSN: 933000N032302
Manufacturer's CAGE: 72799
Part No. Indicator: A
Part Number/Trade Name: 103-112, LEXAN RESIN

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General Information
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Company's Name: GENERAL ELECTRIC CO
Company's Street: ONE PLASTICS AVE
Company's City: PITTSFIELD
Company's State: MA
Company's Country: US
Company's Zip Code: 01201
Company's Emerg Ph #: 812-831-7245; 812-831-7444
Company's Info Ph #: 800-845-0600; 413-448-4811
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 21DEC90
Safety Data Review Date: 21AUG95
MSDS Preparer's Name: PRODUCT SAFETY DEPT
Preparer's Company: SAME
MSDS Serial Number: BNSNG
Hazard Characteristic Code: N1

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: POLY (BISPHENOL-A CARBONATE)
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: 1002282PC
CAS Number: 25971-63-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Proprietary: NO
Ingredient: SUPP DATA: FLAT SHAPES OR THIN STRANDS TO ALLOW FOR RAPID
COOLING AND QUENCH IN WATER.
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: FIRST AID PROC: INGEST: NOT PROBABLE. IF LG AMT IS SWALLOWED,
SEEK MED ATTN. INHAL: NOT LIKELY TO BE INHALED DUE (ING 4)
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 3: TO PHYSICAL FORM. FOR PROCESSING FUME INHAL IRRIT,
LEAVE CONTAMD AREA & BREATHE FRESH AIR. IF COUGHING, (ING 5)
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 4: DFCLT BRTHG OR ANY OTHER SYMPTOMS DEVELOP, SEEK MED
ATTN AT ONCE, EVEN IF SYMPTOMS DEVELOP AT A LATER TIME.
Ingredient Sequence Number: 05
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: OTHER PREC: AVOID STORAGE NEAR FOODS TO PREVENT FOOD CONTAM.
WHEN HANDLING PELLETS AVOID PRLNG/RPTD CONT W/SKIN. (ING 7)
Ingredient Sequence Number: 06
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 6: ADDITIVES CNTNG CERTAIN HEAVY METAL CMPDS MAY BE
PRESENT. THESE INGREDIENTS ARE ESSENTIALLY BOUND IN PLASTIC (ING 8)

Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 7: MATRIX AND ARE UNLIKELY TO CONTRIBUTE TO WORKPLACE
EXPOSURE UNDER RECOMMENDED PROCESSING CONDITIONS.

Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: RESP PROT: RESPIRATOR FOR PROTECTION FROM DUST.

Ingredient Sequence Number: 09
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: VENT: PROCESSING FUME CONDENSATE MAY BE A FIRE HAZ & TOX;
REMOVE PERIODICALLY FROM EXHST HOODS/DUCT WORK/OTHER (ING 11)

Ingredient Sequence Number: 10
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 10: SURF USING APPROP PERSONAL PROT. VENT REQS MUST BE
LOCALLY DETERMINED TO LIMIT EXPOS TO MATLS AT THEIR (ING 12)

Ingredient Sequence Number: 11
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 11: POINT OF USE. DESIGN TECHNIQUES/GUIDELINES MAY BE
FOUND IN PUBLICATIONS SUCH AS: INDUSTRIAL VENTILATION;(ING 13)

Ingredient Sequence Number: 12
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 12: AVAILABLE FROM THE ACGIH, COMMITTEE ON INDUSTRIAL
VENTILATION, P.O. BOX 16153, LANSING, MI 48901.

Ingredient Sequence Number: 13
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: OTHER PROT EQUIP: FUME CONDENSATES.

Ingredient Sequence Number: 14
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Physical/Chemical Characteristics

Appearance And Odor: SOLID, PLASTIC PELLET WITH SLIGHT ODOR.
Boiling Point: N/A
Melting Point: SUPP DATA
Vapor Pressure (MM Hg/70 F): NEGLIGIBLE
Vapor Density (Air=1): N/A
Specific Gravity: >1 (WATER=1)
Evaporation Rate And Ref: NEGLIGIBLE
Solubility In Water: INSOLUBLE
Percent Volatiles By Volume: NEGLIG
pH: N/A

Fire and Explosion Hazard Data

Flash Point: NOT APPLICABLE
Extinguishing Media: WATER SPRAY & FOAM. H2O IS THE BEST EXTING MEDIUM.
CO2 & DRY CHEM ARE NOT GENERALLY RECOMMENDED BECAUSE (SUPP DATA)
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP
(FP N). WATER SPRAY IS THE PREFERRED EXTING MEDIUM. THIS PROD WILL MELT BUT
WILL NOT BE CARRIED ON SURF OF WATER.
Unusual Fire And Expl Hazrds: HAZ COMBUST PRODS: MAY INCL INTENSE HEAT/

DENSE BLACK SMOKE/CO/CO2/HYDROCARB FRAGMENTS. OPERATIONS SUCH AS GRINDING/
SANDING/SAWING CAN PRDCE DUST (SUPP DATA)

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Reactivity Data
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Stability: YES

Cond To Avoid (Stability): DO NOT EXCEED MELT TEMP RECOMM IN PROD
LITERATURE. IN ORDER TO AVOID AUTOIGNIT/HAZ DECOMP OF HOT THICK MASSES(SUPP
DATA)

Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomp Products: PROCESSING FUMES EVOLVED AT RECOMMENDED
PROCESSING CNDTNS MAY INCL TRACE LEVELS OF PHENOL/ALKYLPHENOLS/
DIERYLOACHONATES

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT
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Health Hazard Data
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LD50-LC50 Mixture: LD50: (ORAL, RAT) >5 G/KG, ESTIMATED

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: NO

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: ACUTE: SKIN: MOLTEN PLASTIC CAN CAUSE SEV
THERMAL BURNS. GREASE-LIKE PROCESSING FUME CONDENSATES ON VENT DUCT WORK,
MOLDS & OTHER SURF CAN CAUSE IRRIT/INJURY. INHAL: FUMES PRDCE DURING MELT
PROCESSING MAY CAUSE EYE/SKIN/RESP TRACT IRRIT, & IN CASES OF SEV
OVEREXPOS, NAUS & HDACH. SECONDARY OPERATIONS, (EFT OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ: SUCH AS GRINDING/SANDING/SAWING, CAN
PRDCE DUST WHICH MAY PRESENT RESP HAZ. INGEST: NOT ACUTELY TOX. EYE: PROD
MAY CAUSE IRRIT/INJURY DUE TO MECH ACTION. SUBCHRONIC: IN SUBCHRONIC
TESTING, THE BASE RESIN WAS CONSIDERED PHYSIOLOGICALLY INERT WHEN FED TO
RATS FOR 8 WEEKS AT A DIETARY LEVEL OF 6%.

Med Cond Aggravated By Exp: THERE ARE NO KNOWN HUMAN HLTH EFTS AGGRAVATED
BY EXPOS TO THIS PROD. HOWEVER, CERTAIN SENSITIVE INDIVIDUALS & INDIVIDUALS
W/RESP IMPAIRMENTS MAY BE AFFECTED BY EXPOS TO COMPONENTS IN PROCESSING
FUMES.

Emergency/First Aid Proc: EYES: REMOVE CONT LENSES AT ONCE. IMMED FLUSH
WELL W/COPIOUS QTYS OF WATER OR NORM SALINE FOR AT LST 20-30 MIN. SEEK MED
ATTN. SKIN: CONT W/FUME CONDENSATE, IMMED WASH THORO W/SOAP & WATER. SEEK
MED ATTN IF RASH/BURN/IRRIT OCCURS. FOR MOLTEN PLASTIC SKIN CONT, COOL
RAPIDLY W/WATER & IMMED SEEK MED ATTN. DO NOT ATTEMPT REMOVAL OF PLASTIC
W/O MED ASSISTANCE. DO NOT USE SOLV FOR REMOVAL. (ING 3)
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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: SWEEP OR GATHER UP MATERIAL AND PLACE IN
PROPER CONTAINER FOR DISPOSAL OR RECOVERY. NOT EXPECTED TO PRESENT ANY
SIGNIFICANT ECOLOGICAL PROBLEMS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: PRODUCT IS NOT A RCRA HAZARDOUS WASTE. RECYCLING IS
ENCOURAGED. LANDFILL OR INCINERATE IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL REQUIREMENTS. COLLECTED PROCESSING FUME CONDENSATES SHOULD BE TESTED
TO DETERMINE WASTE CLASSIFICATION.

Precautions-Handling/Storing: FOLLOW RECOMMENDATIONS ON LABEL AND IN
PROCESSING GUIDE. PREVENT CONTACT W/SKIN & EYES. USE GOOD INDUSTRIAL
HYGIENE PRACTICE. PROVIDE ADEQUATE VENT.

Other Precautions: USE AGGRESSIVE HOUSEKEEPING ACTIVITIES TO PVNT DUST
ACCUM; EMPLOY BONDING, GROUNDING, VENTING & EXPLOSION RELIEF PROVISIONS I/
A/W ACCEPTED ENGINEERING PRACT. STORE IN DRY PLACE AWAY FROM MOISTURE,
EXCESSIVE HEAT & SOURCES OF IGNIT. (ING 6)
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Control Measures
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Respiratory Protection: WHEN PROCESSING FUMES ARE NOT ADEQUATELY
CONTROLLED, USE NIOSH/MSHA APPRVD RESPIRATOR FOR PROTECTION FROM ORGANIC
VAPS & ACID GASES. WHEN DUST/POWDER PRDCE FROM GRINDING/SANDING/SAWING ARE
NOT ADEQUATELY CONTROLLED, USE NIOSH/MSHA (ING 9)

Ventilation: CONTINUOUS SUPPLY OF FRESH AIR TO WORKPLACE TOGETHER W/
REMOVAL OF PROCESSING FUMES THRU EXHST SYS IS RECOMM. (ING 10)

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: CHEM WORK GOGG/FULL LENGTH FSHLD (FP N).

Other Protective Equipment: WHEN MELT PROCESSING PROD, WEAR LONG PANTS/
LONG SLEEVES. USE APPROP PROT CLTHG TO PVNT ANY CONTACT W/PROCESSING (ING
14

Work Hygienic Practices: USE INDUSTRIAL HYGIENE PRACTICES.

Suppl. Safety & Health Data: MP: PROD DOES NOT EXHIBIT A SHARP MELTING
POINT, BUT SOFTENS GRADUALLY OVER A WIDE TEMP RANGE. EXTING MEDIA: THEIR

LACK OF COOLING CAPACITY MAY PERMIT RE-IGNIT. EXPLO HAZ: WHICH MAY PRESENT
OF PLASTIC, PURGINGS SHLD BE COLLECTED IN SMALL,(ING 2)

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Transportation Data
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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 02JUL92
Label Date: 02JUL92
Label Status: G
Common Name: 103-112, LEXAN RESIN
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Moderate: X
Fire Hazard-Slight: X
Reactivity Hazard-None: X
Special Hazard Precautions: REQUIRES A CONTINUOUS FLAME SOURCE TO IGNITE.
ACUTE: EYE CONTACT MAY CAUSE IRRITATION DUE TO MECHANICAL ACTION. MOLTEN
PLASTIC CAN CAUSE SEVERE BURNS. PROCESSING FUMES MAY CAUSE IRRITATION OF
THE EYES, SKIN, AND RESPIRATORY TRACT, NAUSEA, AND HEADACHE. CHRONIC: NONE
SPECIFIED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: GENERAL ELECTRIC CO
Label Street: ONE PLASTICS AVE
Label City: PITTSFIELD
Label State: MA
Label Zip Code: 01201
Label Country: US
Label Emergency Number: 812-831-7245; 812-831-7444