

GENERAL ELECTRIC COMPANY -- LEXAN RESIN 101-112 -- 9330-01-131-8091

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Product Identification
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Product ID:LEXAN RESIN 101-112
MSDS Date:04/30/1999
FSC:9330
NIIN:01-131-8091
Status Code:A
MSDS Number: CLRLR
=== Responsible Party ===
Company Name:GENERAL ELECTRIC COMPANY
Address:1 PLASTICS AVE
City:PITTSFIELD
State:MA
ZIP:01201-3630
Country:US
Info Phone Num:800-845-0600/304-863-7231
Emerge
ncy Phone Num:800-447-4545 800-424-9300
Chemtrec Ind/Phone:(800)424-9300
CAGE:72799
=== Contractor Identification ===
Company Name:GENERAL ELECTRIC COMPANY
Address:1 PLASTICS AVE
Box:City:PITTSFIELD
State:MA
ZIP:01201-3630
Country:US
Phone:800-845-0600/304-863-7231
CAGE:72799

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Composition/Information on Ingredients
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Ingred Name:THIS PRODUCT CONSISTS PRIMARILY OF HIGH MOLECULAR WEIGHT
POLYMERS.

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT) >5 G/KG, ESTIMATED
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:EYE: PRODUCT MAY CAUSE IRRITATION OR
INJURY DUE TO MECHANICAL ACTION. SKIN: PELLETS NOT LIKELY TO CAUSE
SKIN IRRITATION. INGESTION: NOT ACUTELY TOXIC. INHALATION: PELLET
INHALATION UNLIKELY DUE TO PHY SICAL FORM. MELT PROCESSING HEALTH
EFFECTS: MOLTEN PLASTIC CAN CAUSE SEVERE BURNS. PROCESSING FUMES
MAY CAUSE IRRITATION TO THE EYES

, SKIN AND RESPIRATORY TRACT, AND
IN CASES OF SEVERE OVER-EXPOSURE, NAUSEA AND HEADACHE. GREASE-LIKE
PROCESSING FUME CONDENSATES ON VENTILATION DUCT WORK, MOLDS AND
OTHER SURFACES CAN CAUSE IRRITATION AND INJURY TO SKIN.

Explanation of Carcinogenicity:NOTE: OSHA, IARC AND/OR NTP HAVE LISTED
CARBON BLACK AND HEAVY METALS, PRESENT IN SOME COLORANTS, AS
CARCINOGENS. IF THESE COLORANTS ARE ESSENTIALLY BOUND TO THE
PLASTIC MATRIX AND ARE UNLIKELY TO CONTRIBUTE TO WORKPLACE
EXPOSURE UNDER RECOMMENDED PROCESSING CONDITIONS.

Effects of Overexposure:EYE: PRODUCT MAY CAUSE IRRITATION OR INJURY DUE
TO MECHANICAL ACTION. SKIN: PELLETS NOT LIKELY TO CAUSE SKIN
IRRITATION. INGESTION: NOT ACUTELY TOXIC. INHALATION: PELLET
INHALATION UNLIKELY DUE TO PHYSICAL FORM. MELT PROCESSING HEALTH
EFFECTS: MOLTEN PLASTIC CAN CAUSE SEVERE BURNS. PROCESSING FUMES
MAY CAUSE IRRITATION TO THE EYES, SKIN AND RESPIRATORY TRACT, AND
IN CASES OF SEVERE OVER-EXPOSUR

E, NAUSEA AND HEADACHE. GREASE-LIKE
PROCESSING FUME CONDENSATES ON VENTILATION DUCT WORK, MOLDS AND
OTHER SURFACES CAN CAUSE IRRITATION AND INJURY TO SKIN.

Medical Cond Aggravated by Exposure:THERE ARE NO KNOWN HUMAN HEALTH
EFFECTS AGGRAVATED BY EXPOSURE. HOWEVER, SENSITIVE INDIVIDUALS AND
INDIVIDUALS WITH RESPIRATORY IMPAIRMENTS MAY BE AFFECTED BY
EXPOSURE TO COMPONENTS IN PROCESSING VAPORS.

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

First Aid:EYE

S: REMOVE CONTACT LENSES AT ONCE. IMMEDIATELY FLUSH EYES
WELL WITH COPIOUS QUANTITIES OF WATER OR NORMAL SALINE FOR AT LEAST
20-30 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN: WASH SKIN THOROUGHLY WITH SOAP AND WATER. SEEK MEDICAL
ATTENTION IF RASH OR BURN OCCURS. INGESTION: NOT PROBABLE. IF A
LARGE AMOUNT IS SWALLOWED, SEEK MEDICAL ATTENTION. INHALATION: NOT
LIKELY TO BE INHALED DUE TO PHYSICAL FORM. MELT PROCESSING: FOR
MOLTEN PLASTIC SKIN CONTACT

T, COOL RAPIDLY WITH WATER AND
IMMEDIATELY SEEK MEDICAL ATTENTION. DO NOT ATTEMPT REMOVAL OF
PLASTIC WITHOUT MEDICAL ASSISTANCE .

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

Autoignition Temp:630.C, 1166.F

Autoignition Temp Text:ESTIMA

Lower Limits:NOT ESTABLIS

Upper Limits:NOT ESTABLIS

Extinguishing Media:WATER SPRAY AND FOAM. WATER IS THE BEST
EXTINGUISHING MEDIUM. CARBON DIOXIDE & DRY CHEMICAL NOT GENERALLY
RECOMMENDED BECAUSE THEIR LACK OF COOLING

CAPACITY MAY PERMIT
RE-IGNITION.

Fire Fighting Procedures:APPROVED PRESSURE DEMAND BREATHING APPARATUS
PREFERRED EXTINGUISHING MEDIUM. THIS PRODUCT WILL MELT BUT WILL NOT
BE CARRIED ON THE SURFACE OF WATER.

Unusual Fire/Explosion Hazard:NOT SENSITIVE TO MECHANICAL IMPACT. NOT
SENSITIVE TO STATIC DISCHARGE. REQUIRES A CONTINUOUS FLAME SOURCE
TO IGNITE.

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

Spill Release Procedures:SWEEP OR GATHER UP MATERIAL A
ND PLACE IN
PROPER CONTAINER FOR DISPOSAL OR RECOVERY.

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

Handling and Storage Precautions:STORE IN A DRY PLACE AWAY FROM
MOISTURE, EXCESSIVE HEAT AND SOURCES OF IGNITION. FOLLOW
RECOMMENDATIONS ON LABEL IN PROCESSING GUIDE. PREVENT CONTACT WITH
SKIN AND EYES. USE GOOD INDUSTRIAL HYGIENE PRACTICES. PROVIDE
ADEQUATE VENTILATION.

Other Precautions:SECONDARY OPERATIONS SUCH AS GRINDING, SANDING OR
SAWING MAY
PRODUCE A DUST EXPLOSION HAZARD. USE AGGRESSIVE
HOUSEKEEPING ACTIVITIES TO PREVENT DUST ACCUMULATION. EMPLOY
BONDING, GROUNDING, VENTING AND EXPLOSION RELIEF PROVISIONS IN
ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES.

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

Respiratory Protection:WHEN PROCESSING FUMES/HAZE ARE NOT ADEQUATELY
CONTROLLED, USE RESPIRATOR APPROVED FOR PROTECTION FROM ORGANIC
VAPORS, ACID GASES AND PARTICULATE MATTER. WHEN DUST OR
POWDER FROM
SECONDARY OPERATIONS SUCH AS GRINDING SANDING OR SAWING, ARE NOT
ADEQUATELY CONTROLLED USE RESPIRATOR APPROVED FOR PROTECTION FROM
DUST.

Ventilation:VENTILATION REQUIREMENTS MUST BE LOCALLY DETERMINED TO
LIMIT EXPOSURE TO PROCESSING FUMES IN THE WORKPLACE.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL
GOGGLES.

Other Protective Equipment:USE FULL FACE SHIELD WHEN CLEANING
PROCESSING FUME CONDENSATE

S FROM HOODS, DUCTS AND OTHER SURFACES.

WHEN MELT PROCESSING PRODUCT WEAR LONG PANTS, LONG SLEEVES, WELL INSULATED GLOVES/FACE SHIELD.

Work Hygienic Practices:USE APPROPRIATE CLOTHING, INCLUDING CHEMICAL RESISTANT GLOVES, TO PREVENT ANY CONTACT WITH PROCESSING FUME CONDENSATES.

Supplemental Safety and Health

COMMENTS: THIS PRODUCT DOES NOT EXHIBIT A SHARP MELTING POINT, BUT SOFTENS GRADUALLY OVER A WIDE TEMPERATURE RANGE. PRODUCT

IDENTIFIER: LEXAN RESIN. PRODUCT DESCRIPTI

ON: POLY(BISPHENOL-A

CARBONATE) PR ODUCT USE: MAYBE USED TO PRODUCE MOLDED OR EXTRUDED ARTICLES OR AS A COMPONENT OF OTHER INDUSTRIAL PRODUCTS.

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

HCC:N1

Boiling Pt:B.P. Text:NOT APPLICABLE.

Melt/Freeze Pt:M.P/F.P Text:SEE SUPPLEMENTAL DATA

Vapor Pres:NEGLIGIBLE

Spec Gravity:>1

Evaporation Rate & Reference:NEGLIGIBLE

Appearance and Odor:SOLID. PLASTIC PELLET WITH SLIGHT ODOR.

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

Stability Indicator/Materials to Avoid:YES

IN ORDER TO AVOID AUTOIGNITION/HAZARDOUS DECOMPOSITION OF HOT THICK MASSES OF PLASTIC, PURGINGS SHOULD BE COLLECTED IN SMALL, FLAT SHAPES OR THIN STRANDS TO ALLOW FOR RAPID COOLING AND QUENCH IN WATER.

Stability Condition to Avoid:DO NOT EXCEED MELT TEMPERATURE RECOMMENDATIONS IN PRODUCT LITERATURE.

Hazardous Decomposition Products:PROCESSING FUMES EVOLVED AT RECOMMENDED CONDITIONS MAY INCLUDE TRACE LEVEL

S OF PHENOL,

ALKYLPHENOLS AND DIARYLCARBONATE. INTENSE HEAT, DENSE BLACK SMOKE, CARBON MONOXIDE, CARBON DIOXIDE AND HYDROCARBON.

===== Toxicological Information =====

Toxicological Information:EYE: PRODUCT NOT CONSIDERED PRIMARY EYE IRRITAN. WHEN SIMILAR PRODUCTS, IN FINELY DIVIDED FORM, WERE PLACED INTO THE EYES OF RABBITS, SLIGHT TRANSIENT REDNESS OR DISCHARGE OCCURRED - CONSISTENT WITH T HE EXPECTED SLIGHTLY ABRASIVE NATURE OF THE RESIN P

ARTICLES. SKIN-PRODUCT NOT CONSIDERED PRIMARY SKIN IRRITANT. DRAIZE SKIN PRIMARY IRRITATION SCORE (RABBIT) FOR SIMILAR PRODUCTS, IN FINELY DIVIDED FORM, FOR A 24 HR EXPOSURE IS 0. NO EXPECTED TO BE A SKIN SENSITIZER BASED ON RESULTS OF MODIFIED BUEHLER GUINEA PIG SENSITIZATION TEST FROM SIMILAR PRODUCTS. DERMAL LD50 (RABBIT) 2 G/KG, ESTIMATED.

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Ecological Information
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Ecological:GENERAL: NOT EXPECTED TO PRESENT ANY SIGNIFICANT ECOLOGICAL PROBLEMS.

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Disposal Considerations
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Waste Disposal Methods: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 AND INCINERATOR ASH SHOULD BE TESTED TO DETERMINE WASTE CLASSIFICATION.

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MSDS Transport Information
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Transport Information:DOT HAZARD CLASS: NOT REGULATED. PROPER SHIPPING NAME: NOT REGULATED. IDENTIFICATION NUMBER: NOT LISTED. TDGA: NOT LISTED.

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Regulatory Information
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SARA Title III Information:THIS PRODUCT DOES NOT CONTAIN REPORTABLE QUANTITIES OF SUBSTANCES SUBJECT TO SUPPLIER NOTIFICATION.
Federal Regulatory Information:TSCA STATUS: THIS PRODUCT COMPLIES WITH THE CHEMICAL SUBSTANCE INVENTORY REQUIREMENTS OF THE US EPA TOXIC SUBSTANCES CONTROL ACT (TSCA). WHMIS CLASSIFICATION: NOT A CONTROLLED PRODUCT. THIS PRODUCT DOES NOT CONTAIN REPORTABLE HAZARDOUS INGREDIENTS AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

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Other Information
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