Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

General Electric Co.
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Visit GE Plastics on the Web at WWW.GEPLASTICS.COM

PHONE NUMBERS

Emergency Medical (24 HOUR)	800/447-4545
Emergency Transportation/CHEMTREC (24 HOUR)	800/424-9300
Other Emergency Information (24 HOUR)	812/831-7001

Non-Emergency Information :

For Resin Products	413/448-5800
For Structured Products	413/448-5400

PRODUCT IDENTIFICATION

PRODUCT IDENTIFIER:	LEXAN SHEET 9034-112
PRODUCT DESCRIPTION:	Poly (bisphenol-A-carbonate) [CASRN 111211-39-3] Sheet
PRODUCT USE:	May be used as received, processed or thermoformed to produce other articles, or as a component of other industrial products.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This product consists primarily of high molecular weight polymers which are not expected to be hazardous.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

- Plastic film or sheet
- Can burn in a fire creating dense toxic smoke.
- Molten plastic can cause severe thermal burns.
- Vapor produced during melt processing may cause eye, skin, and respiratory tract irritation.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

HMIS Ratings: Health = 0; Flammability = 1; Reactivity = 0; PPE = B

POTENTIAL HEALTH EFFECTS

INGESTION:	Not acutely toxic.
INHALATION:	Inhalation of product not likely due to physical form.
EYE CONTACT:	Product may cause irritation or injury due to mechanical action.
SKIN CONTACT:	Product may cause irritation or injury due to mechanical action.

CHRONIC / CARCINOGENICITY

NTP:	Not Tested.
OSHA:	Not Regulated.
IARC:	Not Listed.

Processing fumes may cause irritation to the eyes, skin, and respiratory tract. In cases of severe exposure, nausea and headache can also occur.

Grease-like processing fume condensates on ventilation ductwork, molds, and other surfaces can cause irritation and injury to skin.

MEDICAL RESTRICTIONS: There are no known human health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing vapors.

SECTION 4: FIRST AID MEASURES

EYES:	Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists. After initial flushing, remove any contact lenses.
SKIN:	Wash with soap and water. Get medical attention if irritation develops or persists. For hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.
INGESTION:	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop.
INHALATION:	No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
PROCESSING FUMES:	Processing fumes inhalation may be irritating to the respiratory tract. If symptoms are experienced remove victim from the source of contamination or move victim to fresh air and obtain medical advice.

SECTION 5: FIRE FIGHTING MEASURES

FIRE FIGHTING:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Water may be the most suitable extinguishing media due to its cooling properties on molten compounds.
EXTINGUISHING MEDIA:	Water spray and foam. Carbon dioxide and dry chemical are not recommended because their lack of cooling capacity may permit re-ignition.
HAZARDOUS COMBUSTION PRODUCTS:	Intense heat, smoke, carbon dioxide, carbon monoxide, hydrocarbon fragments
FLASH POINT:	Not established
LOWER FLAMMABILITY LIMIT:	Not established
UPPER FLAMMABILITY LIMIT:	Not established
CONDITIONS OF FLAMMABILITY:	Requires a continuous flame source to ignite.
EXPLOSION DATA:	Material not sensitive to mechanical impact but is sensitive to static discharge under dust cloud conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

GENERAL: Gather and store in a closed container pending a waste disposal evaluation.

SECTION 7: HANDLING AND STORAGE

HANDLING:	When handling heated molten material, use protective equipment and ventilation recommended in Section VIII.
STORAGE:	Store in a cool dry place. Avoid excessive heat and ignition sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, and other surfaces using appropriate personal protection. Local ventilation requirements must be determined to limit exposure to processing fumes in the workplace.

PERSONAL PROTECTION

EYE/FACE:	Wear safety glasses with side shields or chemical goggles. In addition, use full-face shield when cleaning processing fume condensates from hoods, ducts, and other surfaces.
SKIN:	When handling pellets or powder, avoid prolonged or repeated contact with skin. Wear long pants, long sleeves, well insulated gloves, and a face shield during melt processing. Appropriate clothing - including chemical resistant gloves - should be worn to prevent contact with processing fumes condensate.

RESPIRATORY:	When using this product at elevated temperatures, implement engineering systems, administrative controls, or a respiratory protection program (including a respirator approved for protection from organic vapors, acid gases, and particulate matter) if processing fumes are not adequately controlled or operators experience symptoms of overexposure. If dust or powder are produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
ODOR AND APPEARANCE:	Sheet or film with slight or no odor
MELTING POINT:	This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures.
VAPOR PRESSURE (mmHg):	Not applicable
SPECIFIC GRAVITY (WATER = 1):	>1
WATER SOLUBILITY:	Insoluble
% VOLATILES:	Negligible.
EVAPORATION RATE:	Not applicable
OCTANOL:WATER : PARTITION COEFFCIENT	Not established

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
REACTIVITY:	Not reactive under recommended conditions of handling, storage, processing, and use.
CONDITIONS TO AVOID:	Do not exceed melt temperature recommendations in product literature. See Section 8 for respiratory protection advice.
HAZARDOUS DECOMPOSITION PRODUCTS	Processing fumes evolved at recommended processing conditions may include trace levels of phenol, alkylphenols, diarylcarbonate and other formula dependent volatile organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE HEALTH HAZARDS

ACUTE ORAL:	Estimated to be > 5.0 g/kg
ACUTE DERMAL:	Product not considered primary skin irritant. Draize Skin Primary Irritation Score (rabbit) for similar products, in finely divided form, for a 24-hour exposure is 0. Not expected to be a skin sensitizer based on results of Modified Buehler Guinea Pig Sensitization Test from similar products. Dermal LD50 (rabbit) > 2g/kg, estimated.

ACUTE INHALATION:	Processing fumes from similar products are not considered toxic. In acute inhalation tests, laboratory rats were exposed to processing fumes at concentrations exaggerating those that would likely occur in workplace situations. No deaths or signs of toxicity, except transient irritancy in some cases, were noted during the 6 hour fume expos- ure tests. There were no distinct or consistent treatment related tissue or organ changes noted in gross necropsies.
EYE CONTACT:	Product may cause irritation or injury due to mechanical action.
SKIN CONTACT:	Product may cause irritation or injury due to mechanical action.

SECTION 12: ECOLOGICAL INFORMATION

GENERAL: This material is not expected to be harmful to the ecology.

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL:	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.
POSSIBLE EPA WASTE CODES:	Spent or discarded material is not expected to be a hazardous waste.

SECTION 14: TRANSPORTATION INFORMATION

REGULATORY STATUS: Not Regulated.

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): This product is in compliance with all rules and orders of TSCA.

The products covered by this MSDS are articles as defined by Section 313, Title III of SARA (Emergency Planning and Community Right-To-Know Act) and therefore are exempt from notification requirements.

SECTION 16: OTHER INFORMATION

Prepared by: Product Stewardship

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ABBREVIATIONS:
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CPR: Cardiopulmonary Resuscitation
EPA: Environmental Protection Agency
HMIS: Hazardous Material Identification System (National Paint and Coatings Association)
IARC: International Agency for Research on Cancer
OSHA: Occupational Health and Safety Administration (U.S.)
NTP: National Toxicology Program
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
SARA 313: Superfund Amendments and Reauthorization Act, Section 313
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act
WHMIS: Workplace Hazardous Materials Information System (Canada)