

CHEMICAL SAFETY DATA SHEET

China

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	8010VMC-112(.010*36*800)
Product Code:	8010VMC-112(.010*36*800)-0-PGNA
Product Description:	Poly (bisphenol-A-carbonate) [CASRN 111211-39-3] Sheet or Film
Trade Name:	LEXAN* Film
Product Type:	Commercial Product
Recommended use:	May be used as received, processed or thermoformed to produce other articles, or as a component of other industrial products.
Company:	SABIC Innovative Plastics (China) Co., Ltd 16F, Plaza 66, No: 1266 Nanjing Rd. (W) Shanghai 200040 China
Website address:	WWW.SABIC-IP.COM
Manufacturer, importer, supplier:	SABIC Innovative Plastics China Co. Ltd. No: 1 Plastics Avenue, P.C. 511548 Western Ind. District, Nansha ETDZ, Pan Yu, Guanndong China
Emergency Telephone Number:	Working day: (8.30~ 17.00) (86)-532-388-9090 (86)-532-388-9191 (86-20)-8498-0148

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Type:	Article
Remarks:	This product consists primarily of high molecular weight polymers which are not expected to be hazardous. The ingredients in this product are present within the polymer matrix and are not expected to be hazardous.

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.
- Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

Skin Contact:	Not likely to cause irritation.
Eye Contact:	Resin particles, like other inert materials, are mechanically irritating to eyes.
Inhalation:	Inhalation unlikely due to physical form.
Ingestion:	Ingestion not likely due to physical form
Resin Issues:	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..
Aggravated Medical Conditions:	MEDICAL RESTRICTIONS: There are no known 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..

4. FIRST AID MEASURES

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.
Skin Contact:	Wash with water and soap as a precaution. Get medical attention if irritation develops or persists. For hot product, immediately immerse in or flush with cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.
Eye Contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion:	No hazards which require special first aid measures.
Precautions:	Processing fumes inhalation may be irritating to the respirator tract. If symptoms are experienced remove victim from the source of contamination or move victim to fresh air and obtain medical advice.

5. FIRE-FIGHTING MEASURES

Explosive Limits	
upper:	Not applicable
lower:	Not applicable
Suitable Extinguishing Media:	Water spray mist or foam.
Extinguishing media which must not be used for safety reasons:	Carbon dioxide and dry chemical are not recommended because their lack of cooling capacity may permit re-ignition
Hazards from Combustion Products:	carbon oxides, hydrocarbon fragments, Fire will produce dense black smoke containing hazardous combustion products.
Special Protective Equipment for Firefighters:	In the event of fire, wear self-contained breathing apparatus.

Specific Hazards:

Take precautionary measures against static discharges. Thermal decomposition can lead to release of irritating gases and vapors. Dust formed by operations such as cutting or grinding may form an explosive mixture in air.

6. ACCIDENTAL RELEASE MEASURES

Clean up:

Sweep up and shovel into suitable containers for disposal. Do not create a powder cloud by using a brush or compressed air.

Personal Precautions:

See section 8.

Environmental Precautions:

Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

7. HANDLING AND STORAGE

Handling:

Handle in accordance with good industrial hygiene and safety practice Provide for appropriate exhaust ventilation and dust collection at machinery Avoid dust formation All metal parts of the mixing and processing equipment must be earthed

Handling:

Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid dust formation. Accumulation of waste films,sheets and/or masking may create a slipping hazard..

**Storage:
Storage:**

Keep away from heat and sources of ignition.
Keep tightly closed in a dry and cool place Keep away from heat and sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits**Monitoring Methods****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.

Engineering Measures to Reduce Exposure:

Handle in accordance with good industrial hygiene and safety practice. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, and other surfaces using appropriate personal protection.

Personal Protective Equipment**Hand Protection:**

Protective gloves.

Eye Protection:

Safety glasses with side-shields.

Respiratory Protection:

In the case of hazardous fumes, wear self contained breathing apparatus. In case of insufficient ventilation wear suitable respiratory equipment.

Skin and Body Protection:

Long sleeved clothing

Hygiene measures:

When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Sheet or film
Color:	Various
Odor:	None or slight
Melting point/range:	This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures.
Autoignition Temperature:	No information available
Vapor Pressure:	Negligible
Water Solubility:	Insoluble
VOC content(%):	Negligible
Explosive Limits	
upper:	Not applicable
lower:	Not applicable

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions. Hazardous polymerisation does not occur.
Conditions to Avoid:	Do not exceed melt temperature recommendations in product literature.
Hazardous Decomposition Products:	Processing fumes evolved at recommended processing conditions may include trace levels of hydrocarbon fragments, phenols, alkylphenols, diarylcarbonates. Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbons fragments

11. TOXICOLOGICAL DATA

LD50/oral/rat:	>5000 mg/kg estimated
LD50/dermal/rabbit:	>2000 mg/kg estimated
Inhalation:	Inhalation unlikely due to physical form.
Inhalation:	Inhalation unlikely due to physical form.
Skin Contact:	Not likely to cause irritation.
Eye Contact:	Resin particles, like other inert materials, are mechanically irritating to eyes.
Ingestion:	Ingestion not likely due to physical form.
Minor Acute Toxicity and Chronic Toxicity:	No information available
Remarks:	The toxicological data has been taken from products of similar composition
Special Studies:	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 exposure tests. There were no distinct or consistent treatment related tissue or organ changes noted in gross necropsies

12. ECOLOGICAL DATA

Ecotoxicity Effects: Do not flush into surface water or sanitary sewer system

Other information: Ecological damages are not known or expected under normal use.

13. WASTE DISPOSAL

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.

14. TRANSPORT INFORMATION

Transport Classification: Not regulated as hazardous for shipment, unless noted below, under current transportation guidelines.

China Classification

DOT

ADR/RID/ADNR

IMDG

ICAO

IATA-DGR

15. REGULATION INFORMATION

National Regulations

In accordance with local and national regulations This product should follow related Chinese local chemical regulations and transportation requirement.

International Inventories:

TSCA (USA): Not listed

DSL/NDSL (Canada): Not listed

EINECS/ELINCS (Europe): Not listed

ENCS (Japan): Not listed

IECSC (China): Not listed

KECL (Korea): Not listed

PICCS (Philippines): Not listed

AICS (Australia): Not listed

NOTE: This is one article, the chemical inventory regulation is not applicable for ARTICLE.

16. OTHER INFORMATION

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Other (registered trademark):

LEXAN* Film is a registered trademark of SABIC Innovative Plastics BV

Prepared by:

Product Stewardship & Toxicology

Disclaimer:

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End of Material Safety Data Sheet