

**SAFETY DATA SHEET**  
**According to Regulation (EC) No 1907/2006 and 453/2010 (REACH)**

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<b>1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY</b>
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<b>Trademark:</b>	LEXAN™
<b>Product Code:</b>	503R - 13201
<b>Product Description:</b>	Polycarbonate [CASRN 25971-63-5] Flame retardant glass fiber filled
<b>Product Type:</b>	Commercial Product
<b>Recommended use:</b>	May be used to produce molded or extruded articles or as a component of other industrial products.
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Type** Mixture

#### HAZARDOUS COMPONENTS:

Chemical Name	CAS Number	Weight %	Classification (67/548/EEC):	GHS Classification (EC) No. 1272/2008 [CLP]:
Fiberglass, EU/GHS classified	65997-17-3	5-10	Classification: Carc.Cat.3;R40	Carc.2 (H351)

**For the full text of the H-statements, if mentioned in this section, see Section 16.**

The non-hazardous components and exact percentage (concentration) of the composition have been withheld as a trade secret.

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.

### 4. FIRST AID MEASURES

<b>If Inhalation:</b>	Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.
<b>On skin contact:</b>	Immediately cool the skin by rinsing with cold water after contact with hot material. Wash off immediately with soap and plenty of water. Consult a physician.
<b>On contact with eyes:</b>	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.
<b>On ingestion:</b>	No hazards which require special first aid measures.
<b>Precautions:</b>	Cool molten product on skin with plenty of water. Do not remove solidified product. Do not peel polymer from the skin.

## 5. FIRE-FIGHTING MEASURES

**Autoignition Temperature:** 630°C (1166°F) estimated

**Explosive Limits**

**upper:** Not determined  
**lower:** Not determined

**Suitable Extinguishing Media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam. Water is the best extinguishing medium. Carbon dioxide and dry chemical are not generally recommended because their lack of cooling capacity may permit re-ignition on larger resin fires (blobs, drools, etc.)

**Unsuitable Extinguishing Media for Safety Reasons:** Do not use a solid water stream as it may scatter and spread fire

**Hazardous Decomposition Products:** Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbons fragments, hydrogen bromide, hydrogen fluoride, carbonyl fluoride, fluorocarbons.

**Specific Hazards:** Take precautionary measures against static discharges. During processing, dust may form explosive mixture in air. Thermal decomposition can lead to release of irritating gases and vapors.

**Special Protective Equipment for Firefighters:** In the event of fire, wear self-contained breathing apparatus (EU: NEN-EN137)

## 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. Material should not be released into the environment.

## 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practices. 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.

**Storage:** Store in closed container in a dry and cool area. Keep away from heat sources and sources of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits:** No components with information, unless noted below

Chemical Name	Netherlands OEL - MAC	Spain - Valores Limite Ambientales - VLE	Germany TRGS900 MAK	France INRS (VME)	Switzerland SUVA Limit Values at the Workplace Data - Time Weighted Average (TWA):	UK EH40 MEL (TWA)	Italy - OEL
Fiberglass, EU/GHS classified 65997-17-3	10 MGM3 Dust. 2 MGM3 Respirable dust. 2 FIBERS/CM3 Respirable fibers.	1FIBERS/CM3  0.5FIBERS/CM3	No Information	No Information	Kol_C: k_1C ; Comments: No data	WEL_TWA: 1 mg/m <sup>3</sup> as W; WEL_STEL: 3 mg/m <sup>3</sup> as W	0.2 FIBERS/CM3 Fiber. 1 FIBERS/CM3 Fiber. 5 MGM3 Inhalable fraction.

Chemical Name	Sweden Threshold Limit Values Data -	Norway Exposure Limit Values Data - Threshold Limit Value:	Finland Exposure Limit Values Data - Time Weighted Average (TWA):	Ireland Exposure Limit Values Data - Time Weighted Average (TWA):	Greece - OEL	Poland - OEL:TWAs	SABIC Recommend (8 Hr)*
Fiberglass, EU/GHS classified 65997-17-3	No Information	KONS: 5 mg/m <sup>3</sup> totalstøv	No Information	TWA 5 mg/m <sup>3</sup> , 1 fibres/cm3 of air	No Information	No Information	No Information

\*SABIC Recommended Exposure Limits have been established for certain chemicals.

**Engineering Measures to  
Reduce Exposure:**

In the case of hazardous fumes, wear self-contained breathing apparatus. Wear face-shield and protective suit for abnormal processing problems. Handle in accordance with good industrial hygiene and safety practices. Provide for appropriate exhaust ventilation at machinery. Handle in accordance with good industrial hygiene and safety practice for diagnostics. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

**Hand Protection:**

Protective gloves should be worn. (EU: NEN-EN 374).

**Eye Protection:**

Safety glasses with side-shields. (EU: NEN-EN 165-166).

**Respiratory Protection:**

In the case of hazardous fumes, wear self contained breathing apparatus. In case of insufficient ventilation wear suitable respiratory equipment. (EU: NEN-EN149).

**Body Protection:**

Long sleeved clothing. (EU: NEN-EN 340-369-465).

**Hygiene Measures:**

When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Appearance:</b>	Pellets
<b>Color:</b>	Same as color code
<b>Odor:</b>	None
<b>Melting point/range:</b>	Various
<b>Vapor Pressure:</b>	Negligible
<b>Water Solubility:</b>	Insoluble
<b>Evaporation Rate:</b>	Negligible
<b>Specific gravity:</b>	>1; (water = 1)
<b>Autoignition Temperature:</b>	630°C (1166°F) estimated
<b>Explosive Limits</b>	
<b>VOC content (%):</b>	Negligible

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under ambient conditions. Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	Avoid temperatures above 630°C. To avoid thermal decomposition, avoid elevated temperatures. Heating can result in the formation of gaseous decomposition products, some of which may be hazardous.
<b>Hazardous Decomposition Products:</b>	Traces of phenol, alkylphenols, diarylcarbonates, hydrocarbons, Traces of, phenols, hydrogen bromide, carbonyl fluoride, hydrogen fluoride, fluorocarbons.

## 11. TOXICOLOGICAL INFORMATION

<b>LD50/oral/rat:</b>	>5000 mg/kg
<b>LD50/dermal/rabbit:</b>	>2000 mg/kg
<b>Subchronic Toxicity:</b>	No information available
<b>Primary Irritation:</b>	Substance does not generally irritate and is only mildly irritating to the skin Skin irritation
<b>IARC:</b>	Not listed
<b>OSHA:</b>	Not regulated
<b>NTP:</b>	Not tested
<b>Remarks:</b>	The toxicological data has been taken from products of similar composition
<b>Special Studies:</b>	No Information

## 12. ECOLOGICAL INFORMATION

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

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

**Ecotoxicity - Invertebrate Data:** Ecological damages are not known or expected under normal use.

**Germany VCI (WGK):** 0

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Where possible recycling is preferred to disposal or incineration. Dispose of in accordance with local regulations.

**EWC waste disposal no:** 702 - waste from the manufacture, formulation, supply and use of plastics, synthetic rubber and man-made fibres.

## 14. TRANSPORT INFORMATION

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

DOT

ADR/RID/ADN

IMDG

ICAO

IATA-DGR

ANTT 420

## 15. REGULATORY INFORMATION

This substance is classified and labelled according to Annex I of Directive 67/548/EEC, as amended.

### International Inventories:

TSCA (USA):	Listed
DSL (Canada):	Listed
EINECS/ELINCS (Europe):	Listed
ENCS (Japan):	Listed
IECSC (China):	Listed
KECL (Korea):	Listed
PICCS (Philippines):	Listed
AICS (Australia):	Listed
NZIoC (New Zealand):	Listed
REACH Information:	For this product's REACH related information, please contact <a href="mailto:webinquiries@sabic.com">webinquiries@sabic.com</a>

### Other Inventory Information:

A "Listed" entry above means all chemical components are on the respective inventory list and/or a qualifying exemption exists for one or more components. A "Not listed" entry above indicates one or more components is restricted from import or manufacture into that country/region. Articles are exempt from registration and are therefore not listed on the national chemical inventories.

### SVHC (REACH Regulation (EC) No 1907/2006 and 453/2010, as amended):

This product does not intentionally contain SVHC chemicals except as noted below. Incidental amounts of impurities, if present, would be below the threshold limit of 0.1% by weight.

### California Proposition 65:

Components in this product known to the State of California to cause cancer and/or reproductive effects, are listed below:

Chemical Name	Weight %	California Proposition 65:
Fiberglass, EU/GHS classified 65997-17-3	5-10	Listed: July 1, 1990 Carcinogenic. (airborne, unbound particles of respirable size)

### RoHS EU Directive 2011/65/EU:

The subject product is in compliance with EU RoHS Directive 2011/65/EU. All below chemicals are not employed in the manufacture of the product: a.Cadmium and its compounds, b.Lead and its compounds, c.Mercury and its compounds, d.Hexavalent chromium compounds, e.Polybrominated biphenyls (PBBs), f.Polybrominated diphenyl ethers (PBDEs including Deca-BDE). The trace levels of heavy metals may be present as impurities within threshold limits (<0.1% for Pb, Hg, Cr VI, and <0.01% for Cd). We are disclosing this information, to the best of our knowledge, based upon data from our raw material manufacturers.

### HMIS Rating

Health: 0

Flammability: 1

Reactivity: 0

## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3

H351 - Suspected of causing cancer in contact with skin

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<http://eur.sabic-ip.com/ordeur/pages/msds/MSDSSearch.jsp?app=sabic-ip>



**SDS Scope:**

Europe: Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010. This document is also applicable in other countries and regions.

**Prepared by:** Product Stewardship & Toxicology

**Reason for revision:** \*\*\*Indicates change since last version

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**End of Safety Data Sheet**