



SAFETY DATA SHEET

South America GHS Format

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1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Trademark: GELOY™
Product Code: XTPMFR10 - BK1E397

Product Description: Polycarbonate/siloxane copolymer, p-CP endcapped [CASRN 202483-49-6]/Poly (bisphenol-A-carbonate) [CASRN 111211-39-3] blend Blend Polycarbonate [CASRN 111211-39-3]/ Polycarbonate-Sil copolymer [CASRN 202483-49-6]

Product Type: Commercial Product
Recommended use: May be used to produce molded or extruded articles or as a component of other industrial products.

Manufacturer: SABIC Innovative Plastics South America Industry and Trade of Plastics LTDA
Manoel Thomaz Street, 545.
13067-230 Campinas SP
Brazil

Emergency Telephone Number: 0800 771 37 33 (CTI) or 0800 118 270 (ABIQUIM) [in Brazil]
0800-222-2933 (CIQUIME) Emergencies with Dangerous Goods [in Argentina]

Emergency Transportation/CHEMTREC (24 HOUR): 800 424-9300 (USA)
+1 703-527-3887 (globally, outside USA)

E-mail: webinquiries@sabic.com
Website Address: www.sabic.com

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Type Mixture

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

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| If Inhalation: | Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician. |
| On skin contact: | 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. |
| On contact with eyes: | 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. |
| On ingestion: | Not probable due to nature of the product. If a large amount of pellet material is swallowed, consult a physician for medical treatment. |
| Precautions: | Processing vapors 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. |

5. FIRE-FIGHTING MEASURES

- | | |
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| Autoignition Temperature: | 450°C (842°F) estimated 490 °C (914°F) |
| Explosive Limits | |
| upper: | Not determined |
| lower: | Not determined |
| Suitable Extinguishing Media: | Use dry chemical, CO ₂ , 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, Carbon monoxide, carbon dioxide (CO ₂), triarylphosphate ester fragments, oxides of phosphorus, hydrogen fluoride, carbonyl fluoride, fluorocarbons. |
| Hazards from Combustion Products: | Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbon fragments, hydrogen cyanide. |
| 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. |

6. ACCIDENTAL RELEASE MEASURES

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| 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

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| 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

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

| | |
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| Engineering Measures to Reduce Exposure: | Handle in accordance with good industrial hygiene and safety practices. Provide for appropriate exhaust ventilation at machinery. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, and other surfaces using appropriate personal protection. |
| Hand Protection: | Protective gloves should be worn. |
| Eye Protection: | Safety glasses with side-shields or chemical goggles. In addition, use full-face shield when cleaning processing vapor condensates from hood, ducts, and other surfaces. |
| Respiratory Protection: | 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 vapors 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. |
| Body Protection: | Long sleeved clothing. |
| Hygiene Measures: | When using, do not eat, drink or smoke. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State: | Solid |
| Appearance: | Pellets |
| Color: | Same as color code |
| 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: | 450°C (842°F) estimated 490 °C (914°F) |
| Vapor Pressure: | Negligible |
| Water Solubility: | Insoluble |
| Evaporation Rate: | Negligible |
| Specific gravity: | >1; (water = 1) |
| Explosive Limits | |
| upper: | Not determined |
| lower: | Not determined |
| VOC content (%): | Negligible |

10. STABILITY AND REACTIVITY

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| Stability: | Stable under ambient conditions. Hazardous polymerization does not occur. |
| Conditions to Avoid: | Avoid temperatures above 450°C. To avoid thermal decomposition, avoid elevated temperatures. Heating can result in the formation of gaseous decomposition products, some of which may be hazardous. Do not exceed melt temperature recommendations in product literature. Purgings of hot material should be collected in small, flat, thin shapes and quenched with water to allow for rapid cooling. Do not allow product to remain in barrel at elevated temperatures for extended periods of time. |
| Hazardous Decomposition Products: | Process vapors under recommended processing conditions may include trace levels of hydrocarbons, phenols, alkylphenols, diarylcarbonates, benzene, styrene, toluene, ethyl benzene, acrylates, 4-vinylcyclohexene, cyclohexane, substituted hydroxyphenyl benzotriazoles, Trace levels of triarylphosphate esters, phenols, styrene, hydrocarbons, carbonyl fluoride, hydrogen fluoride, fluorocarbons, Traces of. |

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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| 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. |

13. DISPOSAL CONSIDERATIONS

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| Waste from residues / unused products: | Where possible recycling is preferred to disposal or incineration. Descartar em conformidade com as legislação locais. |
| 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

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): | Not listed |
| AICS (Australia): | Listed |
| NZIoC (New Zealand): | Listed |
| REACH Information: | For this product's REACH related information, please contact webinquiries@sabic.com |

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: |
|--|----------|--|
| 4,4'-isopropylidenediphenol (bisphenol A) 80-05-7 | ≤100 ppm | Listed: May 11, 2015 Type of Toxicity: Female |
| Toluene 108-88-3 | ≤100 ppm | Type of Toxicity: female ; Type of Reproductive Toxicity: developmental |
| Carbon black 1333-86-4 | ≤100 ppm | Listed: February 21, 2003 Carcinogenic. (airborne, unbound particles of respirable size) |
| Methylene chloride 75-09-2 | ≤10 ppm | Type of Toxicity: cancer |
| Cumene 98-82-8 | ≤10 ppm | Type of Toxicity: cancer |
| Ethylbenzene 100-41-4 | ≤10 ppm | Type of Toxicity: cancer |
| Acrylonitrile 107-13-1 | ≤10 ppm | Type of Toxicity: cancer |

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

SABIC and brands marked with TM are trademarks of SABIC or its subsidiaries or affiliates.

Visit our public website to search, view and print Safety Data Sheets for commercial products:

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

SDS Scope:

Brazil: Conforms to ABNT Standard NBR 14725-4:2012

Argentina: Conforms to IRAM 41400

This document is also applicable in other countries and regions.

Prepared by: Product Stewardship & Toxicology

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End of Safety Data Sheet