

Co-polyester PETG Resin

Conforms to European Regulation (EU) No 453/2010 (REACH), Annex II

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## Section 1 - product and company identification

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### 1.1 Product identifier

Product Name : Extrudr PETG 3D printing Filament  
Synonym : PETG Copolyester Amorphous Resin  
CAS No : 26780-49-4

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**Identified uses :** Plastic material for moulding and/or extrusion

### 1.3 Details of the supplier of the safety data sheet

extrudr,  
Höchsterstraße 81,  
6972 Fußach, Austria.  
E-mail: info@extrudr.eu

### 1.4 Emergency telephone Number Poison Centre Austria

Telephone number : +43 1 406 43 43  
Hours of operation : 24 hours a day

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## Section 2 - Hazard Identification

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### 2.1 Classification of the substance or mixture

Product Definition : The substance is not classified as dangerous according to Regulation (EC) No 1272/2008 (CLP/GHS) and Directive 67/548/EEC.

### 2.2 Label elements

Hazard Pictogram : None  
Signal Word : None  
Hazard Statements : None  
Precautionary Statements : Not applicable

### 2.3 other hazards

Others hazards which do not result in classification

The hazards of this product are associated mainly with its processing. Molten polymer will produce thermal burns. Polymer dust may represent a fire hazard at sufficient concentrations in presence of ignition sources.

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**Section 3 - Composition/information on ingredients**

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Substance Name	: Neopentylglycol- ethyleneglycol terephthalate copolymer
CAS No	: 24938-04-3
Concentration	: > 99.9
Classification	: not classified

The polymer contains minor additives such as stabilizers and catalysts.  
These additives are immobilized by the polymer and are not released with normal use.

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**Section 4 - First aid measures**

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**4.1 Description of first aid measures Inhalation :**

Skin Contact	: Move exposed person to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician after significant exposure.
Eye Contact	: Cool skin rapidly with cold water and soap after contact with molten polymer. It is unlikely that first aid will be required. If skin irritation occurs: Get medical advice/attention.
Ingestion	: Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur and show the TDS.

**4.2 Indication of any immediate medical attention and special treatment needed**

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

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**Section 5 - Firefighting measures**

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**5.1 Extinguishing media**

**Suitable extinguishing Media:** Use an extinguishing agent suitable to local circumstances and the surrounding environment. Example: Water Spray, Dry Chemical Powder and Carbon Dioxide.

**Unsuitable extinguishing Media:** Do not use water, if fire is caused by an electrical short circuit.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion Products:** Carbon monoxide, carbon dioxide, acetaldehyde.

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### 5.3 Advice for firefighters

**Unusual fire and explosion hazards** : Powdered material may form explosive dust-air mixtures. High voltage static electricity build-up and discharge must be avoided when significant quantities of powdered material are present.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus, protective clothing and headgear to prevent contact with skin and eyes.

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## Section 6 - Accidental release measures

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### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No measures required.

For emergency responders :Cool skin rapidly with cold water after contact with molten polymer  
Obtain medical attention.

### 6.2 Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

Spill Vacuum or sweep up material and place in a container for recuperate or disposal. Avoid dust generation.

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## Section 7 - Handling and storage

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### 7.1 Precautions for Safe Handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria.  
Store in a cool dry place.  
Store below 50 C.  
Avoid heat, flames, sparks and other sources of ignition.  
Keep away from incompatible materials.

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## Section 8 - Exposure controls/personal protection

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### 8.1 Exposure controls

appropriate engineering controls	: Good general ventilation (typically 10 air changes per hour) should be used. Provide for appropriate exhaust ventilation and dust collection at machinery. Provide exhaust ventilation at places where dust is formed.
Hygiene measures	: Wash hands before eating and at the end of the working period.
Eye/face protection	: Not required under normal conditions of uses. Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses with side shields when working with molten material.
Hand protection	: Protective gloves are required when handling hot polymer.
Other skin protection	: Appropriate footwear and additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. A safety shower and washing facilities should be available.
Respiratory protection:	Not required

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## Section 9 - Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

Appearance:	Solid Filament in various colors
Odour	Slight
Flammability	Non-flammable
Relative density	>1.29g cm <sup>3</sup>
Solubility	insoluble in water

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## Section 10 - Stability and reactivity

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10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.1 Chemical stability	: The product is stable.
10.3 Possibility of hazardous:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.5 Incompatible materials	Acetic Anhydride, acetone, aniline, benzene, chloroform, chromic acid, cyclohexanone, dimethylformamide, dioxane, ethyl acetate, phenol, tetrahydrofuran. Reactive with strong oxidizing agents, as well as strong acids and caustic will decompose polyester.

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## SECTION 11: Toxicological information

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### Information on the likely routes of exposure

Inhalation	: Combustion products may be irritant; High concentration of dust may be irritant to the respiratory tract.
Ingestion	: Expected to be a low ingestion hazard.
Skin contact	: May cause physical abrasion in contact with skin. Molten polymer will adhere to the skin causing deep thermal burns.
Eye contact	: May cause physical abrasion in contact with eyes.

## SECTION 12: Disposal considerations

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The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

Methods of disposal	: Like most thermoplastics, the product can be recycled. Can be landfilled or incinerated, when in compliance with local regulations.
Hazardous waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

#### Packaging

Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains & sewers.

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### SECTION 13: Transport Information

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The substance is not subject to transport regulations on hazardous goods included in ADR (road transport), RID (rail transport), IMDG (marine transport) and ICAO/IATA (air transport).

### SECTION 14: Regulatory information

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**14.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)**

Annex XIV

List of Substances of Very High Concern for Authorization: None of the components are listed.

**14.2 Chemical Safety Assessment: Not available**

### SECTION 15: Other Information

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**Recommended restrictions:**

Do not use in medical applications involving permanent implantation in the human body.

**Further information:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.