

## PETG Carbon Filament

### 1 Chemical product and company information

a Article name	PETG Carbon
b Usage	Industrial use, Professional use, Consumer use.
c Uses advised against	No additional information available
d Company information	3D4Makers BV, Waarderweg 56, 2031 BP Haarlem, The Netherlands
e Telephone number	+ 31 (0) 238200584

### 2 Hazards identification

Not applicable	To our knowlegdge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
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### 3 Composition/information on ingredients

a Mixture	Glycolated Polyethylene Teraphtalate / carbon fibers
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### 4 First aid measures

#### a Description of first aid measures

First-aid measures general	Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	If you feel unwell, seek medical advice. Assure fresh air breathing
First-aid measures after skin contact	Get medical advice/attention. Do not pull solidified product away from the skin. In the event of contact with molten product : Immediately rinse with plenty of water (for at least 15 minutes).
First-aid measures after eye contact	Rinse immediately with plenty of water. Consult an eye specialist. Remove contact lenses, if present and easy to do. Continue rinsing.

#### b Most important symptoms and effects, both acute and delayed

Symptoms/effects	None under normal conditions.
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#### c Indication of any immediate medical attention and special treatment needed

No additional information available.

## 5 Firefighting measures

### a Extinguishing media

Suitable extinguishing media

Cool down the containers exposed to heat with a water spray. Carbon dioxide. Water spray. Foam.

### b Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Do not breathe fumes.

### c Advice for firefighters

Precautionary measures fire

Evacuate unnecessary personnel.

Firefighting instructions

Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers.

Protection during firefighting

Do not attempt to take action without suitable protective equipment.

## 6 Accidental release measures

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

General measures

If spilled, may cause the floor to be slippery. Access forbidden to unauthorised personnel.

### b For non-emergency personnel

No additional information available

### c For emergency responders

No additional information available

### d Environmental precautions

Avoid release to the environment.

### e Methods and material for containment and cleaning up

For containment

Collect spillage.

### f Reference to other sections

No additional information available

## 7 Handling and storage

### a Precautions for safe handling

Precautions for safe handling

Ensure good ventilation of the work station. Avoid dust formation.

### b Conditions for safe storage, including any incompatibilities

Technical measures

Keep in a cool, well-ventilated place away from heat.

Storage conditions

Protect from moisture. Keep away from ignition sources. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

### c Specific end use(s)

No additional information available

## 8 Exposure controls/personal protection

### a Control parameters

No information available

### b Exposure controls

Appropriate engineering controls

Risk of thermal burns on contact with molten product. Do not breathe dust. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection

Protective gloves

Eye protection

Wear closed safety glasses

Skin and body protection

Wear suitable protective clothing

Other information

Do not eat, drink or smoke when using this product. The substance must be handled in accordance with good industrial hygiene and safety procedures.

## 9 Physical and chemical properties

### a Information on basic physical and chemical properties

Physical state

Solid

Colour

Black.

Odour

No data available.

Odour threshold

No data available.

pH

No data available.

Relative evaporation rate (butylacetate=1)

No data available.

Melting point

No data available.

Freezing point

No data available.

Boiling point	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Flammability (solid, gas)	No data available.
Vapour pressure	No data available.
Relative vapour density at 20 °C	No data available.
Relative density	No data available.
Density	≈ 1.08 g/cm <sup>3</sup>
Solubility	not soluble in water.
Log Pow	No data available.
Viscosity, kinematic	No data available.
Viscosity, dynamic	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.
Explosive limits	No data available.

b Other information                      No additional information available

## 10 Stability and reactivity

### a Reactivity

No additional information available

### b Chemical stability

Flammable solid.

### c Possibility of hazardous reactions

No additional information available

### d Conditions to avoid

Above a temperature of 300°C

### e Incompatible materials

Strong oxidizers.

### f Hazardous decomposition products

Carbon dioxide. Carbon monoxide. fume.

## 11 Toxicological information

No additional information available

## 12 Ecological information

No additional information available

## 13 Disposal considerations

- a Waste treatment methods

## 14 Transport information

Not applicable.

## 15 Regulatory information

No additional information available.

## 16 Other information

No additional information available.

*Disclaimer: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*