

## SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

### KEXCELLED PETG K6

Product code:	Revision Number:	Revision date:	MSDS No.:
PETG K6	01	30/01/2023	KS017

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#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

<b>Product name:</b>	kexcelled 3D printing filament
<b>Product code:</b>	PETG K6
<b>Product Use:</b>	A filament to be used in 3D printing applications.
<b>Supplier:</b>	NorthBridge New Material Technology(Suzhou) Co.,Ltd
<b>Address:</b>	Building# B2, Chaoyang Industrial square, Caohu Industrial Park, Xiangcheng District, Suzhou. CN.
<b>Responsible/issuing person:</b>	wilson@northbridge3d.com
<b>Emergency telephone numbers:</b>	+86-(0512)-65801831

#### 2. HAZARDS IDENTIFICATION

<b>Classification:</b>	1,4-Benzenedicarboxylic acid, polymer with 1,4-cyclohexanedimethanol and 1,2-ethanediol (CAS No. 025038- 91-9) is not classified according to Regulation (EC) 1272/2008 and Directive 67/548/EEC.
<b>Labelling:</b>	Not applicable

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical name</b>	Poly (ethylene terephthalate-co-1,4-cyclohexylenedimethylene terephthalate)
<b>CAS Number:</b>	25038-59-9
<b>Weight:</b>	>98%
<b>Classification:</b>	See section 2

#### 4. FIRST AID MEASURES

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<b>After skin contact:</b>	Remove contaminated clothing and shoes. Get medical attention if skin symptoms occurred. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Wash contaminated clothing and shoes before reuse.
<b>After eye contact:</b>	Get medical attention if eye symptoms occurred. In case of contact with molten substance, immediately flush eyes with water for at least 15 minutes. Get medical attention immediately.
<b>After ingestion:</b>	Get medical attention if swallowed amount of substance.
<b>Indication of immediate medical attention and notes for physician:</b>	Call emergency medical service. Get medical advice/attention if you needed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. If burned by contact with molten material, cool quickly as possible with water, and then go to see a physician for treatment of burn.

#### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media:</b>	Suitable extinguishing media: CO <sub>2</sub> , water, san
<b>Special fire-fighting procedures:</b>	Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing will only provide limited protection.

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<b>Special exposure hazards:</b>	Thermal decomposition products: Not available Hazardous combustion products: CO <sub>2</sub> , CO. Unusual fire and explosion hazards: No explosion hazards
<b>Sensitivity to static discharge:</b>	Not available

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Stop leak if you can do it without risk. Isolate exposed area. Keep unauthorized personnel away. Use certificated protective equipment. Ventilate the leaked area.
<b>Methods for cleaning up/removal:</b>	Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with molten material. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures.
<b>Prevention of Fire and Explosion:</b>	Not available
<b>Storage:</b>	Keep container closed. Store container in a well dry/cool place. Keep away from waterways and sewers. Keep away from any source of ignition.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure limits/standards:</b>	Specific exposure limits have not been established or are not applicable unless listed below.
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NIOSH- TWA: Not applicable

OHSA- TWA: Not applicable

ACGIH- TWA: Not applicable

EU Regulation: Not applicable

Biological Exposure Index: Not applicable

#### Engineering Controls:

Provide local exhaust ventilation system or other engineering controls to keep the airborne below their respective threshold limit value. Check legal suitability of exposure level.

#### Personal Protection:

##### Respiratory Protection:

Wear NIOSH or European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment when necessary.

##### Eye Protection:

An eye wash unit and safety shower station should be available nearby work place. Wear safety glasses to protect eyes from scattering toxic substance.

##### Skin Protection:

It is a good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, translucent, opaque, filament. Solid at room

**Odor:** Slight odor

**pH:** Not applicable

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**Melting / freezing point:** Not applicable

**Initial boiling point and boiling range:** Not applicable

**Flash point:** Not applicable

**Flammability:** Not applicable

**Evaporation rate:** Not applicable

**Upper/lower flammability or explosive limits:**

Not applicable

**Vapor pressure:** Negligible (20°C)

**Density:** 1.27g/cm<sup>3</sup>

**Vapor density:** Not available

**Water solubility:** Negligible

**Specific gravity:** > 1

**Log partition coefficient (n-octanol/water):**

Not available

**Auto ignition temperature:** 454 °C (ASTM E659)

**Decomposition temperature:** Not available

**Viscosity:** Not available

#### 10. STABILITY AND REACTIVITY

**Stability:** Not available

**Conditions to avoid:** Avoid contact with incompatible materials. Avoid release to the environment.

**Materials to avoid:** Not available

#### 11. TOXICOLOGICAL INFORMATION

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<b>Acute Toxicity:</b>	Not available
<b>Skin corrosion/irritation:</b>	Molten material will produce thermal burns
<b>Serious eye damage/irritation:</b>	Molten material will produce thermal burns
<b>Respiratory or skin sensitization:</b>	Not available
<b>Germ cell mutagenicity:</b>	Not available
<b>Carcinogenicity:</b>	IARC, NTP, OSHA, CGIH, EU Regulation 1272/2008, US EPA: not listed
<b>Reproductive toxicity:</b>	Not available
<b>STOT-single exposure:</b>	Not available
<b>STOT-repeated exposure:</b>	Not available
<b>Aspiration hazard:</b>	Not available

#### 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Not available
<b>Persistence and degradability:</b>	Not available
<b>Bioaccumulative potential:</b>	Not available
<b>Mobility in soil:</b>	Not available
<b>Other adverse effects:</b>	Not available

#### 13. DISPOSAL CONSIDERATIONS

<b>Disposal method:</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Disposal precaution:</b>	Consider the require attentions in accordance with waste treatment management regulation.

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#### 14. TRANSPORT INFORMATION

<b>UN #:</b>	Not regulated as a hazardous material.
<b>Class:</b>	Not applicable
<b>Proper shipping name:</b>	Not applicable
<b>Packing group:</b>	Not applicable
<b>Marine pollutant:</b>	Not applicable
<b>Other information:</b>	Not applicable

#### 15. REGULATORY INFORMATION

**Dangerous as defined by the EU CLP 2008:**

This product is not classified and labelled as dangerous according to EC directives.

#### 16. OTHER INFORMATION

The information in this Material Safety Data Sheet (MSDS) is based on current knowledge and experience. No liability can be assumed for the accuracy and completeness of this information.