

SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

KEXCELLED THE K8™ TPU AIR

Product code:	Revision Number:	Revision date:	MSDS No.:
THE K8™ TPU AIR	01	28/05/2026	KS031

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

Product name:	kexcelled 3D printing filament
Product code:	THE K8™ TPU AIR
Product Use:	A filament to be used in 3D printing applications.
Supplier:	NorthBridge New Material Technology(Suzhou) Co.,Ltd
Address:	Building# B2, Chaoyang Industrial square, Caohu Industrial Park, Xiangcheng District, Suzhou. CN.
Responsible/issuing person:	wilson@northbridge3d.com
Emergency telephone numbers:	+86-(0512)-65801831

2. HAZARDS IDENTIFICATION

Health Effects:	When handled at high temperatures, can cause serious burns.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name:	Thermoplastic polyurethane
CAS Number:	9009-54-5
Weight:	>90%

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. Call a physician immediately.
Skin contact:	Rinse immediately with plenty of water for at least 15

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	minutes. If skin irritation persists, call a physician. Cool skin rapidly with cold water after contact with hot polymer.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Ingestion:	Drink water as a precaution. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician immediately.
Notes to physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :	Foam. Water. Carbon dioxide (CO2). Dry chemical.
Special protective equipment:	As in any fire, wear self-contained breathing apparatus for fire fighters pressure demand.
Under fire conditions:	Cool containers / tanks with spray water. Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. See Section 8. Remove all sources of ignition. Avoid dust formation. Avoid contact with skin and eyes. Sweep up to prevent slipping hazard.
Environmental precautions:	Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.
Methods for cleaning up:	Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

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Safe handling advice:	Avoid contact with skin and eyes. Workers should be protected from the possibility of contact with molten material during fabrication. Low hazard for usual industrial or commercial handling. Use personal protective equipment.
Storage conditions:	Store in cool place. Keep at temperatures below 50°C (122 °F). No special restrictions on storage with other products.
Precautions:	No special precautions required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/face protection:	Wear safety glasses for general purpose.
Hand protection:	Wear gloves (product handled in molten state).
Skin and body protection:	Wear protective clothing (product handled in molten state).
Respiratory protection:	In case of dust formation, wear a dust mask. In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures:	Avoid contact with skin, eyes, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	filaments. Solid at room temperature.
Color:	Opaque,transparent.
Odour:	Slight odor.
pH:	not applicable.
Vapor pressure:	Not determined.
Vapor density:	Not determined.

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Evaporation rate:	Not determined.
Density:	1.14-1.20g/cm ³
Boilingpoint/range:	Not applicable.Decomposition temperature: > 280 °C (536 °F).
Water solubility:	Insoluble.
Solubility in other solvents:	Noneknown.

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Under normal conditions of storage and use,hazardous reactions will not occur.
Condition to avoid:	extreme heat and ignition sources

11. TOXICOLOGICAL INFORMATION

See section 3 for potential health effects. For detailed toxicological data, write or call the address or emergency number shown in section 1

12. ECOLOGICAL INFORMATION

Mobility:	No data available
Toxicity:	not available
Bioaccumulation:	Based on consistency and low water solubility,not likely.

13. DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.

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14. TRANSPORT INFORMATION

IMDG: Not regulated.

ICAO/IATA: Not regulated.

15. REGULATORY INFORMATION

NOTICE: The information herein is presented in good faith and believed to be accurate as of the print date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

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.