

According to Regulation (EC) No.1907/2006

KEXCELLED PEI K10 Ultem1010

Product code: Revision Number: Revision date: MSDS No.:

PEI K10 Ultem1010 02 02/08/2021 KS044

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

Product name: kexcelled 3D printing filament

Product code: PEI K10 Ultem1010

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

Possible Hazards: Danger of burns while handling the hot product.

Other hazards: No specific dangers known, if the regulations/notes for

storage and handling are considered.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name: Polyetherimide

CAS Number: 9002-98-6

Weight: >99%

Remarks: No hazardous ingredients

4. FIRST AID MEASURES

Inhalation: After inhalation of decomposition products, remove the

affected person to a source of fresh air and keep calm.



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Provide medical aid.

Skin contact: Areas affected by molten material should be quickly placed

under cold running water. Burns caused by molten material

require hospital treatment.

Eye contact: In case of contact with the eyes, rinse immediately for at

least 15 minutes with plenty of water. If irritation develops,

seek immediate medical attention.

Ingestion: Rinse mouth and then drink plenty of water. If difficulties

occur: Seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product

known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: water spray, dry powder, carbon dioxide

Special hazards arising from the substance or mixture:

Do not use a solid water stream as it may scatter and spread

fire.

Hazards arising from the substance or mixture:

Fire will produce dense black smoke containing hazards

combustion products, carbon oxides, hydrocarbon

fragments, nitrogen oxides.

Special protective equipment: Do no enter fire area without proper protection including

self-contained breathing apparatus and full protective



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equipment.

Specific hazards: Take precautionary measures against static

discharges. Thermal decomposition can lead to release of

irritating gases and vapors. Duse formed bu operation such

as cutting or grinding may form an explosive mixture in air.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation.

Use personal protective equipment.

Sources of ignition should be kept well clear.

Environmental precautions: Discharge into the environment must be avoided.

Reference to other sections: Information regarding exposure controls/personal

protection and disposal considerations can be found in

section 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling: Provide for appropriate exhaust ventilation and dust

collection at machinery .

The material can accumulate static charge and can therefore

cause electrical ignition.

Wear personal protective equipment.

Protection against fire and explosion: Avoid dust formation. Dust can form an explosive mixture

with air. Provide exhaust ventilation. When the product is

ground (chopped), dust explosion regulations should be



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noted

Conditions for safe storage, including any incompatibilities Further information on storage

conditions: Avoid extreme heat. Avoid all sources of ignition: heat,

sparks, open flame.

Specific end use(s): For the relevant identified use(s) listed in Section 1 the

advice mentioned in this section 7 is to be observed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Handle in accordance with good industrial hygiene and

safety practices. Processing fume condensate may be a fire

hazard and toxic; remove periodically from exhaust hoods,

ductwork, and other surfaces using appropriate personal

protection.

Respiratory protection: Effective dust mask

In the case of vapor formation use respirator with an

approved filter.

Hand protection: Use additional heat protection gloves.

Eye protection: Safety glasses with side-shields (frame goggles).

Body protection: Body protection must be chosen depending on activity and

possible exposure, e.g. apron, protecting boots,

chemical-protection suit.

General safety and hygiene measures: Avoid contact of molten material with skin. Avoid inhalation

of dusts/mists/vapors. Eye wash fountains and safety



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showers must be easily accessible. Handle in accordance

with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: filament

Color: natural

Odour: none or slight

Odor threshold: not determined

pH Value: not soluble.

Boiling point/Boiling range: not determined.

Flash point: not determined.

Flammability: not data available

Lower explosion limit: No data available.

Upper explosion limit: not data available.

10. STABILITY AND REACTIVITY

Reactivity: No hazardous reactions if stored and handled as

prescribed/indicated.

Chemical stability: The product is stable if stored and handled as

prescribed/indicated.

Conditions to avoid: Do not exceed maximum temperatures recommended in

the product literature.

Hazardous decomposition products: Process vapors under recommended processing conditions

may include trace levels of hydrocarbons, phenols,

alkylphenols, diarylcarbonates, other substituted



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hydrocarbons, hydrogen cyanide (hydrocyanic acid).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available.

Irritation: No irritation is expected under intended use and

appropriate handling.

Respiratory/Skin sensitization: May cause irritation of respiratory tract.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure):

No data available.

Other relevant toxicity information: Based on our experience and the information available, no

adverse health effects are expected if handled as

recommended with suitable precautions for designated

uses.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Do not flush into surface water or sanitary sewer system

Toxicity: No data available.

Persistence and degradability: No data available.

Bio accumulative potential: No data available.

Mobility in soil (and other compartments if available):

No data available.

Other information: This material is not expected to be environmentally



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hazardous under normal use.

Additional information: Should not be released into the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Recycling is encouraged. Landfill or incinerate in accordance

with federal, state and local requirements. Collected

processing fume condensates and incinerator ash should be

tested to determine waste classification.

14. TRANSPORT INFORMATION

Not regulated as hazardous for shipment, unless noted , under current transportation guidelines.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

If other regulatory information applies that is not already

provided elsewhere in this safety data sheet, then it is

described in this subsection.

Chemical Safety Assessment: Chemical Safety Assessment not required Product is not

classified as hazardous.

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.