

According to Regulation (EC) No.1907/2006

#### KEXCELLED PAHT K7LM

Product code:	Revision Number:	Revision date:	MSDS No.:
PAHT K7LM	02	30/07/2021	KS040

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

Product name:	kexcelled 3D printing filament
Product code:	PAHT K7LM
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:	Polyamide
CAS Number:	24937-16-4
Weight:	>85%
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 me	dical aid.	
Skin contact:		Areas affec	ted by molten material sh	ould be quickly placed
		under cold	running water. Burns caus	sed by molten material
		require hospital treatment.		
Eye contact:		In case of c	ontact with the eyes, rins	e immediately for at
		least 15 mi	nutes with plenty of wate	r. If irritation develops,
		seek imme	diate medical attention.	
Ingestion:		Rinse mout	h and then drink plenty o	f water. If difficulties
		occur: Seek	medical attention.	
Most important symptoms and effects, both acute and delayed				
Symptoms:		No significa	int reaction of the human	body to the product
		known.		
5. FIRE-FIGHTING MEASU	IRES			
Suitable extinguishing me	edia :	water spra	ay, dry powder, foam, carb	oon dioxide
Special hazards arising from	om the substa	ince or mixt	ure:	
		Carbon die	oxide, carbon monoxide a	nd unbumed
		hydrocar-l	oons(smoke).	
		Nitrogen o	oxides(NOx)	
		Hydrogen	cyanide(hydrocyanic acid)	)
Special protective equipr	nent:	Wear a se	f-contained breathing app	paratus.
Further information:		Dispose of	fire debris and contamina	ated extinguishing water
		in accorda	nce with official regulatio	ns.



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6. ACCIDENTAL RELEA	ASE MEASURES				
Personal precautions:		Ensure adequate ventilation.			
		Use personal protective equip	ment.		
		Sources of ignition should be k	kept well clear.		
Environmental precau	utions:	Discharge into the environmer	nt must be avoided.		
Methods and materia	I for containment a	and cleaning up:			
		Sweep/shovel up. Avoid raisin	g dust. Ensure adequate		
		ventilation.			
Reference to other sections:		Information regarding exposu	re controls/personal		
		protection and disposal consid	lerations can be found in		
		section 8 and 13.			
7. HANDLING AND ST	ORAGE				
Precautions for safe h	nandling :	Provide for appropriate exhau	st ventilation and dust		
		collection at machinery .			
		The material can accumulate s	tatic charge and can therefore		
		cause electrical ignition.			
		Wear personal protective equi	ipment.		
Protection against fire	e and explosion:	Avoid dust formation. Dust car	n form an explosive mixture		
		with air. Provide exhaust venti	ilation. When the product is		
		ground (chopped), dust explos	sion regulations should be		
		noted.			

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



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conditions:		Protect ag	ainst moisture. Avoid	extreme heat. Avoid all	
		sources of	ignition: heat, sparks	s, open flame.	
Specific end use(s):		For the re	levant identified use(	s) listed in Section 1 the	
		advice me	ntioned in this sectio	n 7 is to be observed.	
8. EXPOSURE CONTROLS	/ PERSONAL P	ROTECTION	I		
Components with workp	lace control pa	arameters:			
		Given suit	able ventilation, it ca	n be assumed that the	
		threshold	limits will not be read	hed.	
Respiratory protection:		Effective dust mask			
		In the case	e of vapor formation	use respirator with an	
		approved	filter.		
Hand protection:		Use additi	onal heat protection	gloves.	
Eye protection:		Safety gla	sses with side-shields	(frame goggles).	
Body protection:		Body prot	ection must be chose	n depending on activity and	
		possible e	xposure, e.g. apron, p	protecting boots,	
		chemical-	protection suit.		
General safety and hygie	ne measures:	Avoid con	tact of molten materi	al with skin. Avoid inhalation	
		of dusts/n	nists/vapors. Eye was	h fountains and safety	
		showers n	nust be easily accessil	ble. Handle in accordance	
		with good	industrial hygiene an	d safety practice.	

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	filament
Color:	natural,black



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Odour:		faint speci	fic odor	
Odor threshold:		not deterr	nined	
pH Value:		not solubl	e.	
Melting temperature:		<b>225</b> ℃		
Boiling point/Boiling ran	ge:	not deterr	nined.	
Flash point:		not deterr	nined.	
Flammability:		not data a	vailable	
Lower explosion limit:		The produ	ct is not explosive at itsel	f, but it may form
		explosive	dust.	
Upper explosion limit:		not data a	vailable.	
Ignition temperature:		not deterr	nined.	
Vapor pressure:		not deterr	nined.	
Density:		not deterr	nined.	
Relative vapor density:		not deterr	nined.	
Solubility in water:		not deterr	nined.	
Ignition temperature:		No data a	vailable.	
Decomposition temperat	ure:	No data a	vailable.	
10. STABILITY AND REAC	ΓΙVΙΤΥ			
Reactivity:		No hazard	ous reactions if stored an	d handled as
		prescribed	l/indicated.	
Chemical stability:		The produ	ct is stable if stored and h	andled as
		prescribed	l/indicated.	
Conditions to avoid:		Avoid extr	eme heat. Avoid all sourc	es of ignition: heat,



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		sparks, op	en flame.Avoid moisture.	
Incompatibility:		No data av	vailable.	
Hazardous decomposition	n products:			
Possible thermal decomp	osition produc	cts:		
		Carbon mo	onoxide,carbon dioxide an	d unburned
		hydrocarb	ons(smoke).Nitrogen oxid	es(NOx),Ammonia.
11. TOXICOLOGICAL INFO	RMATION			
Acute Toxicity:		No data av	vailable.	
Irritation:		No irritatio	on is expected under inten	ded use and
		appropriat	te handling.	
Respiratory/Skin sensitiza	ation:	May cause	irritation of respiratory to	ract.
Germ cell mutagenicity:		No data av	vailable.	
Carcinogenicity:		No data av	vailable.	
Reproductive toxicity:		No data av	vailable.	
Repeated dose toxicity ar	nd Specific tar	get organ to	xicity (repeated exposure	e):
		No data av	vailable.	
Other relevant toxicity in	formation:	Based on o	our experience and the inf	ormation available, no
		adverse he	ealth effects are expected	if handled as
		recommer	nded with suitable precaut	ions for designated
		uses.		
12. ECOLOGICAL INFORM	ATION			
Toxicity:		No data av	vailable.	
Persistence and degradat	oility:	No data av	vailable.	



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Bio accumulative pot	tential:	No data	available.		
Mobility in soil (and o	other compartme	nts if avail	able):		
		No data	available.		
Results of PBT and vi	PVB assessment:				
		The proc	duct contains no compo	nents considered to be	
		either p	ersistent ,bio accumulat	ive and toxic(PBT),or very	
		persiste	nt and very biaccumulat	ive(vPvB)at levels of % or	
		higher.			
Additional information:		Should r	Should not be released into the environment.		
13. DISPOSAL CONSI	DERATIONS				
Waste treatment me	thods:	Must be	disposed of or incinera	ted in accordance with local	
		regulatio	ons.		
Contaminated package	ging:	Unconta	minated packaging can	be recycled.	
14. TRANSPORT INFO	ORMATION				
UN number:		Not clas	sified as a dangerous go	od.	
UN proper shipping r	name:	Not clas	sified as a dangerous go	od.	
Transport hazard clas	ss(es):	Not clas	sified as a dangerous go	od.	
Packing group:		Not clas	sified as a dangerous go	od.	
Environmental hazar	ds:	Not clas	sified as a dangerous go	od.	
15. REGULATORY INF	ORMATION				

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

If other regulatory information applies that is not already



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	provided	elsewhere in this safety o	lata sheet, then it is
	describe	d in this subsection.	
Chemical Safety Assessn	nent: Chemica	l Safety Assessment not re	equired Product is not
	classified	l 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.