

化学品安全技术说明书(SDS)

According to Regulation (EC) No 1907/2006. Annex, Amended by COMMISSION REGULATION (EU) 2020/878. According to REGUL A TION (EC) No 1272/2008

No.: EGZ2404010118C00101RM1 Date: Apr. 22, 2024 Page 1 of 22

: SHENZHEN TUOZHU TECHNOLOGY CO., LTD. Prepared for

客户 深圳拓竹科技有限公司

Address : ROOM 201, BUILDING A, No. 1 FIRST QIANWAN ROAD, QIANHAI SHENGANG

COOPERATION ZONE, SHENZHEN

地址 : 深圳市前海深港合作区前湾一路 1 号 A 栋 201 室

Prepared by EMTEK(GUANGZHOU) CO.,LTD. 制作者 : 广州信测标准技术服务有限公司

1/F&4/F, BUILDING A, No.38, NANXIANG 3RD ROAD, SCIENTECH PARK, Address

GUANGZHOU, GUANGDONG, CHINA

地址 广东省广州市黄埔区南翔三路 38 号 A 栋 1 楼/4 楼

Tel +86-020-82553111 电话

Fax

+86-020-82553162 传真

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Prepared by:

Cheng Zhiying,

Assistant engineer

Sun Wei, Ethan

Technical supervisor

EMTEK(Guangzhou Approved Authorized signat Apr. 22.

Signed for and on behalf

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the testes requested by you and the results thereof based upon the information that you provided. You have 30 days from data of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Reviewed by:





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1 - Identification of the substance /preparation and of the company/undertaking 第一章 化学品及企业标识

Product identifier

产品标识

Product name Bambu PETG HF 产品名称 : 3D 打印线材

Model G02-xx (xx stands for any suffix) 型号 G02-xx (xx代表任意后缀)

Unique Formula

Identifier(UFI) : N/A

唯一配方标识符

Export to 出口国

CAS No. Refer to section 3

见第三章

EC No. Refer to section 3

见第三章

Relevant identified uses of the substance or mixture and uses advised against

有关的确定的物质或混合物的用途和建议不适合的用途

Relevant identified uses : 3D printing filament

有关已确定用途 3D打印线材

Uses advised against :

使用建议

Details of the supplier of the safety data sheet

安全技术说明书提供者的详情

Manufacturer : SHENZHEN TUOZHU TECHNOLOGY CO., LTD.

制造商: 深圳拓竹科技有限公司

Address : ROOM 201, BUILDING A, No. 1 FIRST QIANWAN ROAD, QIANHAI

SHENGANG COOPERATION ZONE, SHENZHEN

地址 : 深圳市前海深港合作区前湾一路 1 号 A 栋 201 室

Telephone/电话 : /





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E-mail address

电子邮件地址 : /

Emergency phone

紧急通信电话 : ·

2 - Hazards Identification 第二章 危险性概述

Hazards Classification

危险性类别

In accordance with regulation (EC) No. 1272/2008(CLP), Classification of the substance or mixture 根据(EC) No. 1272/2008(CLP)标准,物质或混合物分类的分类 Not classified.

没有分类

For the full text of the health note (H-) mentioned in this section, see section 16.

本部分提及的健康说明(H-)全文请见第16部分。

Label elements

标签要素

Hazard pictograms : No symbol. 象形图 : 无危险图标

Warning words : No signal word

警示词 无警示词

Danger statement: None危险申明无

Preventive measure : None 预防措施 : 无

Response : None 事故响应 : 无





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Storage : None

安全储存 无

Disposal: None废弃处置无

health hazard : None 健康危害 无

Environment hazard : None 环境危害 无

Physical and : None chemical hazards

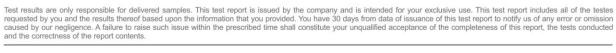
chemical hazards 物理和化学危害

 Other hazards
 The mixture does not contain PBT/vPvB substance

 其他危害
 该混合物不含PBT/vPvB物质。

The mixture does not contain endocrine disruptor

该混合物不含内分泌干扰物。







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3 - Composition / Information on Ingredients 第三章 成分/组成信息

Substance or Preparation: Preparation

物质 □ 混合物■

Component/Substance 成分/物质	% by wt	CAS Number CAS 号	EINECS Number EC 号	CLP Classification CLP 分类	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE) 特定浓度极限值,M 因子急性毒性估计(ATE)
PETG 聚对苯二甲酸乙二醇酯 -1,4-环己烷二甲醇酯	85-99	25640-14-6	607-767-6	None 无	None 无
Additive 添加剂	1-15	N/A	N/A	None 无	None 无

Note: CAS Number is Chemical Abstract Service Registry Number.

注: CAS 编号表示化学文摘服务登记编号。

EINECS Number is EUROPEAN Inventory of Existing Commercial Chemical Substance.

EC编号表示欧洲现有商业化学品目录编号。

N/A = not applicable. N/A表示不适用。





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4 - First Aid Measures 第四章 急救措施

Description of first aid measures

急救措施的说明

If inhaled 吸入

If breathed in, remove to fresh air immediately. Keep the

respiratory tract smooth. Use oxygen if available. Get medical

如果吸入,迅速脱离现场至空气新鲜处。保持呼吸道通畅。如

有必要,给予输氧。就医。 Rinse with clear water.

In case of skin contact

皮肤接触

In case of eye contact

眼睛接触

食入

If swallowed

用清水冲洗。 If contact with eyes, Rinse with plenty of water or normal

如果接触到眼睛,用大量清水或生理 盐水冲洗。

Never give anything by mouth to an unconscious person.

Rinse mouth with water. Get medical aid at once. 切勿给失去知觉者喂食任何东西。用水漱口。立刻就医。

No available data

无可用数据。

Most important symptoms and effects, both acute and delayed 主要症状和影响,急性和迟发效应

Indication of any immediate medical attention and special treatment needed

及时的医疗处理和所需的特殊处理的

说明和指示

Transfer patients to a safe place. Consult a doctor. Present this chemical safety data sheet to the doctor on site.

将患者转移到安全的场所。咨询医生。出示此化学品安全技术

说明书给到现场的医生看。





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5 - Fire-Fighting Measures 第五章 消防措施

Extinguishing media

灭火介质

Suitable extinguishing media

灭火方法及灭火剂

Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide

用水雾, 耐醇泡沫, 干粉或二氧化碳灭火。

Special hazards arising from the :

substance or mixture

源于此物质或混合物的特别的危害

Combustion products

燃烧产物

Advice for firefighters

给消防员的建议

No available data.

无可用数据

No available data.

无可用数据

As soon as possible, remove the goods from fire to open place. For small fires, use dry chemical, carbon dioxide, water spray or

alcohol-resistant foam. For large fires, Standing on the windward, use water spray, fog, or alcohol-resistant foam. Use

water spray to cool fire-exposed containers.

尽快将货物从火中移开。对于小火,使用干粉,二氧化碳,水喷 雾或耐酒精泡沫。对于大型火灾,站在迎风,使用水喷雾,雾,

或耐酒精泡沫。用水喷雾冷却暴露在火中的容器。

实购酒精泡沫。用水喷条冷却泰路住火中的谷益。

Further information : Wear suitable protective clothing, gloves, eve/face

进一步信息

Wear suitable protective clothing, gloves, eye/face protection and self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. 在压力要求下穿戴合适的防护服、手套、眼/面保护和自备呼吸

器, MSHA/NIOSH(认可或等效)和全防护装置。





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6 - Accidental Release Measures 第六章 泄露应急处理

Personal precautions, protective equipment and emergency

procedures

作业人员防护措施、防护装备和应

急处置程序

Environmental precautions

环境保护措施

Methods and materials for containment and cleaning up 泄漏化学品的收容、清除方法及所

使用的处置材料

Reference to other sections 参考其他部分 Avoid inhaling aerosol or gas. Ensure adequate ventilation.

Evacuate people to a safe area.

避免吸入气雾或气体,保证充分的通风,将人员疏散到安全区域。

: No special environmental prevention requirements.

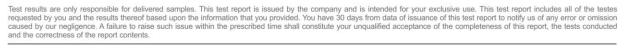
无特别的环境预防要求。

: Contain spillage, soak up residue with an absorbent such as dry quicksand and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

围堵溢出,用吸附材料如干砂等吸附,用防电真空清洁器或湿刷子将溢出物收集起来,并放置到容器中去,根据当地规定处理。

: For disposal see section 13.

丢弃处理请参阅第13章。







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7 - Handling and Storage 第七章 操作处置与储存

Precautions for safe handing 安全操作的注意事项 Conditions for safe storage, including any incompatibilities 安全储存的条件,包括任何不兼容性

: No special operation opinions are required. 无需特殊的操作意见。

: Store in a closed container when possible to prevent accidental dust generation and to prevent possible product contamination. Protect containers from physical damage. Keep dry and isolated from acids, caustics, halogenated compounds and oxidizers. Do not store near combustible materials. Guard against dust accumulation and dust becoming airborne. Keep container tightly closed in a cool, well-ventilated place. Keep the sample as a easy identification. Equip with relevant type and quantities of the extinguishment instruments.

尽可能存放在密闭的容器中,以防止意外的灰尘产生并防止可能的产品污染。 保护容器免受物理损坏。保持干燥,与酸,苛性碱,卤化物和氧化剂分离。不 要存放在易燃材料附近。防止灰尘积聚和粉尘的空气传播。储存于阴凉,干燥,通风的库房。保持样品容易识别。配备相应品种和数量的消防器材。

Specific end use(s) 特定用途 No available data. 无可用数据





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8 - Exposure Controls / Personal Protection 第八章 接触控制/个体防护

Allowable concentration

容许浓度

Monitoring method

检测方法

Components with workplace control

parameters 暴露控制

No available data.

无可用数据

No available data.

无可用数据 In accordance with good industrial and safety regulations. Wash hands

before rest and at the end of work.

按照良好工业和安全规范操作。休息前和工作结束时洗手。

Personal protective equipment

个体防护装备

Eye Protection

It is not necessary to use protective equipment under normal conditions. 正常条件下没有必要使用防护装备。

眼睛防护 Skin protection

It is not necessary to use protective equipment under normal conditions.

皮肤保护

正常条件下没有必要使用防护装备。

Body Protection

身体保护

It is not necessary to use protective equipment under normal use

conditions.

正常条件下没有必要使用防护装备。

Respiratory protection

呼吸系统防护

It is not necessary to use protective equipment under normal use

conditions. 正常条件下没有必要使用防护装备。

Other protection

其他防护

None

无





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9 - Physical and Chemical Properties 第九章 理化特性

Physical state: Odor No available data. Thread

物理形态 气味 无可用数据 线

Color No available data. На No available data.

无可用数据 颜色 pH 值 无可用数据

Density **Melting Point** No available data. No available data.

熔点 无可用数据 密度 无可用数据

Boiling point or initial boiling

point and No available data.

Flashing Point No available data. boiling range 闪点 无可用数据 无可用数据

沸点或初始沸点 沸腾范围(°C)

Explosion No available data.

Explosion Lower No available data. **Upper Limits** Limits 无可用数据 无可用数据 爆炸上限 爆炸下限

Kinematic

Ignition

着火点

viscosity **Particle** No available data. No available data. (mm²/s): characteristics: 无可用数据 无可用数据 粒子特性

运动粘度 (mm²/s)

Decomposition No available data. No available data. temperature temperature 无可用数据 无可用数据

分解温度

Solubility No available data.

溶解度 无可用数据





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10 - Stability and Reactivity 第十章 稳定性和反应活性

Reactivity : No available data. 反应活性 : 无可用数据。

Chemical stability : Stable under recommended storage conditions.

化学稳定性 正常情况下稳定

Conditions to avoid : Avoid fire, elevated temperatures. direct sunlight.

应避免的条件 避免火灾,高温,阳光直射。

Incompatible materials : No available data.

禁配物 无可用数据。

Hazardous decomposition products : No available data.

危险的分解产物 无可用数据。

11 - Toxicological Information 第十一章 毒理学资料

Information on toxicological effects

Acute Toxicity : No available data.

急性毒性 无可用数据。

Skin corrosion/irritation : No available data.

皮肤腐蚀/刺激性 无可用数据。

Serious eye : No available data.

damage/eye irritation 严重眼伤害/眼刺激

Sensitization

无可用数据。

无可用数据。

呼吸系统或皮肤致敏作用

Germ cell mutagenicity : No available data.

生殖细胞致变性 无可用数据。





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Carcinogenicity

致癌性

: C: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by

IARC.

IARC: 该产品中不存在大于或等于0.1%的组分被IARC鉴定为可能的、可能的

或证实的人类致癌物。

Reproductive toxicity

生殖毒性

No available data.

无可用数据 No available data.

无可用数据

Specific target organ toxicity-single exposure

特定靶器官毒性-单次暴露

Specific target organ

toxicity-repeated

exposure

特定靶器官毒性-长期暴露

Aspiration hazard

吸入危害

No available data.

无可用数据

Information on other

hazards

Endocrine disrupting

properties

关于其他危险的资料

内分泌干扰物

Additional information

其他信息

No available data.

无可用数据

The mixture does not contain endocrine disruptor

该混合物不含内分泌干扰物。

: No available data.

无可用数据





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12 - Ecological Information 第十二章 生态学资料

Toxicity : No available data. 生态毒性 : 无可用数据

生态毒性 无可用数据 Persistence and : No available data.

degradability 无可用数据 持久性和降解性

Bioaccumulative potential : No available data.

潜在的生物累积性 无可用数据

Mobility in soil : No available data.

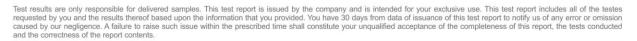
土壤中的迁移性 无可用数据 Results of PBT and vPvB : No available data.

assessment 无可用数据 PBT 和 vPvB 的结果评价

properties 这种混合物不含内分泌干扰物。 内分泌干扰物

 Other adverse effects
 : No available data.

 其他有害影响
 无可用数据







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13 - Disposal Considerations 第十三章 废弃处置

Waste disposal methods

废弃处置方法

Product

产品性质

This product is not regarded as hazardous waste, as defined by

Regulation (EC) No.1272/2008.

根据法规(EC)第1272/2008号,该产品不被视为危险废物。

Waste disposal methods

废弃处置方法

Refer to relevant national and local regulations before disposal.

回收利用或参阅国家和地方有关法规。

Contaminated packaging

受污染的容器和包装

Use and recycle after cleaning.

Attention abandoned:

清洗后使用回收。

废弃注意事项

Before disposal, refer to relevant national and local laws and regulations.

废弃处置前应参阅国家和地方有关法规。

14 - Transport Information 第十四章 运输信息

Transport Attentions:

运输注意事项:

Please select the appropriate transportation method and corresponding transportation and storage conditions according to the nature of the chemical. The product can be transported by air, land or sea. The means of transportation should be equipped with corresponding types and quantities of fire extinguishing materials and leakage emergency treatment equipment. Do not mix with antioxidants, acids, alkali metals and amines. Prevent direct sunlight, rain and high temperature transportation.

Please refer to section 7-HANDING AND STORAGE also, and requirements of the IATA/ICAO/PG. 请根据化学品的性质选择适当的运输方式和相应的运输和储存条件。该产品可以空运,陆运或海运方式运 输。运输工具应配备相应品种和数量的灭火材料和泄漏应急处理设备。禁止与抗氧化剂,酸,碱金属和胺混 合使用。防止阳光直射,雨淋和高温运输。具体请参照ADR-RID/PG ,IMO/IMDG/PG,IATA/ICAO/PG 以及 第七部分的要求。





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Maritime transport IMDG

国际海运危险货物规则

IMDG Code . Not hazardous goods

危险类别 非危害品

UN-Number UN 编号

Packing group 包装组别

Proper shipping name

运输名称

DOT regulations

运输部条例

Hazard class . Not hazardous goods

危险类别 非危害品

UN-Number

UN 编号

Packing group 包装组别 : /

Proper shipping name

运输名称

Land transport ADR/RID(cross-border)

陆路运输条例

Hazard class Not hazardous goods

危险类别 非危害品

UN-Number

UN 编号

Packing group .

Proper shipping name

运输名称





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Air transport ICAO-TI and IATA-DGR

航空运输 国际民航组织和国际航空运输协会危险货物规则

ICAO-TI-II class Not hazardous goods

危害等级 非危害品

UN/ID Number

联合国编号

Packing group

运输包装

Proper shipping name

合适运输名称

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code 防止船舶污染国际公约73/78附件Ⅱ和散装危险化学品船舶载运的建设和设备的国际代码 Not available data

无可用数据

15 - Regulatory Information

第十五章 法规信息

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

针对物质或混合物的安全、健康和环境的特别的法规/法律

German regulations concerning the classification of hazard for water(WGK)

Not listed

德国关于水危害分类的规定(WGK)

不列入

Substance of Very High Concern (SVHC) according to

Not listed

Regulation (EC) No. 1907/2006 (REACH)

不列入

REACH法规(EC) No. 1907/2006的高度关注物

The conditions of restrictions according to Regulation (EC) No. 1907/2006 (REACH) Article 67 and Annex XVII for the manufacturing, placing on the market and use must be observed

Not listed 不列入

法规(EC) 1907/2006号(REACH) 第67条和附件XVⅡ对

制造、投放市场和使用上必须遵守的限制条件





化学品安全技术说明书 (SDS)

According to Requiation (EC) No 1907/2006. Annex, Amended by COMMISSION REGULATION (EU) 2020/878. According to REGUL A TION (EC) No 1272/2008

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Regulation (EC) No. 1907/2006 (REACH) Annex

XVII(requiring Authoursation for use)

法规 (EC) 1907/2006号 (REACH) 附件 **XVII(**需要授权才能使用物质)

Regulation (EC) No. 1907/2006 (REACH)-Pre-registered substance.

法规(EC) 1907/2006号(REACH)预注册物质

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer

法规(EC) 1005/2009号关于破坏臭氧层物质

Regulation (EC) No 649/2012 concerning the export and

import of dangerous chemicals, Annex I

法规(EC)649/2012号关于危险化学品的出口、进口,附 all

ELINECS(European List of Notified Chemical Substances)

ELINECS (欧洲化学品通报清单)

Particular provisions

特别规定

Chemical Safety Assessment

化学品安全评估

No available data.

无可用数据

Not listed 不列入

Not listed 不列入

Not listed 不列入

Not listed 不列入

> Not listed 不列入

No available data.

无可用数据





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16 - Other Information 第十六章 其他信息

ACGIH : American Conference of Governmental Industrial

美国政府工业学家会议

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

欧洲关于危险国际货物公路运输的协议

CAS : Chemical Abstracts Service

化学文摘社

CLP : Classification Packaging and Labelling

分类、包装、标签

EC : European Commission

欧洲委员会

ECHA: European Chemicals Agency

欧洲化学品中心

EINECS : The European Inventory of Existing Commercial Chemical Substances

欧洲现有商业化学物质的目录

GHS : Globally Harmonised System of Classification and Labelling of Chemicals

全球化学品分类和标签制度

IARC : International Agency for Research on Cancer

国际癌症研究机构

IATA : International Air Transport Association

国际航空运输协会

IBC Code : International code for the construction and equipment of ships carrying dangerous

chemical in bulk

散装危险化学品船舶载运的建设和设备的国际代码

ICAO : International Civil Aviation Organization

国际民航组织

IMDG : International Maritime Dangerous Goods

国际海运危险货物规则

IC50 : Inhibitory Concentration fifty

半数抑制浓度

LC50 : Lethal Concentration fifty

半数致死浓度

LD50 : Lethal Dose fifty per cent.

半数致死剂量





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MARPOL: International Convention for the Prevention of Pollution From Ships

防止船舶造成污染国际公约

REACH: Registration Evaluation And Authorisation Of Chemicals

化学品的注册,评估和授权

RID : Regulations Relating to International Carriage of Dangerous Goods by Rail

国际危险货物铁路运输规则

RTECS : Registry of Toxic Effects of Chemical Substances

化学品毒性危害注册

STEL : Short term exposure limit

短时间暴露限值

TWA : Time-Weighted Average

时间加权平均值

OSHA : Occupational Safety and Health Administration

职业安全与健康管理局

NIOSH : National Institute for Occupational Safety and Health

国家职业安全与健康研究所

TLV-TWA : Threshold Limit Value-Time Weighted Average

容许最高浓度-时间加权平均值

TLV- : Threshold Limit Value-Short Term Exposure Limit

STEL 容许最高浓度-短时间暴露限值 PEL : Permissible Exposure Limit

容许暴露限值





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Date: Apr. 22, 2024

填表时间: 2024年04月22日

Data Audit Units: EMTEK(GUANGZHOU) CO.,LTD. 数据审核单位: 广州信测标准技术服务有限公司

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Declaration: Report EGZ2404010118C00101R was repealed and replaced by Report EGZ2404010118C00101RM1.

声明:报告 EGZ2404010118C00101R作废,由报告 EGZ2404010118C00101RM1所取代。

The End of MSDS
*** MSDS 结束***





化学品安全技术说明书(SDS)

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