

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.: ESZ2503040078C00101R Date: Mar. 07, 2025 Page 1 of 18

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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 PLA Silk+ 产品名称 3D 打印线材

Model : A06-xx(xx stands for any suffix) 型号 : A06-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

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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

Storage: None安全储存无

Disposal: None废弃处置无





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health hazard : None 健康危害 : 无

Environment hazard : None

环境危害 无

Physical and chemical hazards

None

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。

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

Substance or Preparation: Preparation

物质 □ 混合物■

V*/>					
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)
聚乳酸(PLA)	60-80	26023-30-3	1	None 无	None 无
热塑性聚氨酯 Thermoplastic Polyurethane	20-40	9009-54-5	210-898-8	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。

In case of skin contact

皮肤接触

In case of eye contact

眼睛接触

If swallowed 食入

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

Rinse with clear water.

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。

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。

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

用水雾,耐醇泡沫,干粉或二氧化碳灭火。

No available data. Special hazards arising from the :





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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

Further information 进一步信息 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

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。

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。

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

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。





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Reference to other sections

参考其他部分

For disposal see section 13. 丢弃处理请参阅第13章。

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

8 - Exposure Controls / Personal Protection

第八章 接触控制/个体防护

Allowable concentration No available data. 无可用数据

容许浓度

Monitoring method

No available data. 无可用数据

检测方法 Components with

In accordance with good industrial and safety regulations. Wash hands before rest and at the end of work.

workplace control parameters

暴露控制

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





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个体防护装备

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

眼睛防护 正常条件下没有必要使用防护装备。

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 It is not necessary to use protective equipment under normal use

身体保护 conditions.

正常条件下没有必要使用防护装备。

Respiratory protection

It is not necessary to use protective equipment under normal use 呼吸系统防护

conditions.

正常条件下没有必要使用防护装备。

Other protection None 其他防护

无

9 - Physical and Chemical Properties 第九章 理化特性

Physical state: Thread Odor No available data.

气味 物理形态 无可用数据

Color No available data. Hq No available data.

pH 值 无可用数据 颜色 无可用数据

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

密度 熔点 无可用数据 无可用数据

Boiling point or

initial boiling

point and

boiling range

No available data. 无可用数据

(°C)

沸点或初始沸点

沸腾范围(°C)

Explosion

Upper Limits

爆炸上限

Kinematic

viscosity

(mm²/s):

No available data.

无可用数据

No available data.

无可用数据

Explosion Lower

Limits

Flashing Point

爆炸下限

闪点

Particle characteristics:

粒子特性

No available data.

No available data.

无可用数据

无可用数据

No available data.

无可用数据





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运动粘度(mm²/s)

Ignition No available data. temperature

无可用数据

Decomposition temperature

分解温度

No available data. 无可用数据

着火点 Solubility

No available data.

溶解度 无可用数据

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

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

Stable under recommended storage conditions. **Chemical stability**

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 eve

: No available data. damage/eye irritation 无可用数据。

严重眼伤害/眼刺激

Respiratory or skin : No available data.

Sensitization 无可用数据。

呼吸系统或皮肤致敏作用

Germ cell mutagenicity No available data.





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生殖细胞致变性 无可用数据。

Carcinogenicity : C: No component of this product present at levels greater than or equal to

致癌性 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.

No available data.

No available data.

无可用数据

无可用数据

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

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

无可用数据

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

Persistence and : No available data.

degradability 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





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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

PBT 和 vPvB 的结果评价

Endocrine disrupting

properties 内分泌干扰物

Other adverse effects

其他有害影响

无可用数据

The mixture does not contain endocrine disruptor

这种混合物不含内分泌干扰物。

No available data.

无可用数据

13 - Disposal Considerations 第十三章 废弃处置

Waste disposal methods

废弃处置方法

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

Regulation (EC) No.1272/2008. 产品性质

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

Use and recycle after cleaning.

受污染的容器和包装

清洗后使用回收。

Attention abandoned:

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。 废弃注意事项

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

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 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.





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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。

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 .

包装组别 : '





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Proper shipping name

运输名称

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

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

Not listed

REACH法规(EC) No. 1907/2006的高度关注物

不列入

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

Not listed 不列入

observed

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

Http://www.emtek.com.cn E-mail: suzhou@emtek.com.cn

Not listed

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







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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

录I

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

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

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





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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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

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





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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

Date: Mar. 07, 2025

填表时间: 20245年03月07日

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

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样品照片 Sample Photo



The End of MSDS
*** MSDS 结束***





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