

 作业文件	深圳光华伟业股份有限公司 孝感市易生新材料有限公司	文件编号	GH-XG-YF-12
	安全数据表	版/次	A 2.0

安全数据表

1. 物料识别号

产品名称:eTPU-HS线条

生产商/供应商:

深圳光华伟业股份有限公司

网址: www.brightcn.net

地址: 深圳市南山区粤兴二道6号武汉大学深圳产学研大楼A403- I

电话: (086)-0755-86581960

传真: (086)-0755-26031982

邮箱:bright@brightcn.net

2. 成分/分子量信息:

主要成分:

成分	CAS号	占比 (%)
热塑性聚氨酯	9087-79-0	100

3. 危险性概叙述:

危险性类别: 危险物第四类第二石油类

健康危害: 长期接触可使皮肤干燥、皲裂、诱发皮炎。

环境危害: 对环境有较轻危害, 对空气、水环境及水源可造成污染。

爆燃危险: 本品可燃。

4. 急救措施

皮肤接触: 脱去污染的衣着, 用肥皂水和清水彻底冲洗皮肤。

眼睛接触: 提起眼睑, 用流动清水或生理盐水冲洗。就医。

吸入: 迅速脱离现场至空气新鲜处, 保持呼吸道通畅。如呼吸困难, 给输氧。如呼吸停止, 立即进行人工呼吸、就医。

食入: 饮足量温水, 催吐、就医。

5. 消防措施

适当的灭火剂: 二氧化碳, 灭火粉末或喷水。扑灭较大的火种用喷水或抗溶性泡沫。

可以释放在发生火灾时: 一氧化碳和二氧化碳。

防护设备: 佩戴自给式呼吸器, 穿戴全套防护服。

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6. 意外释放材料释放或溢出时应采取的措施/步骤

个人注意事项：无需

环境预防措施：无需

清理方法：用真空吸尘器或清扫器，并放置在标准处理容器中。避免使用空气喷射器。

7. 处置和储藏

安全操作：保持容器密封。

储存：存放在阴凉，干燥的地方在密闭容器中。保证良好的通风/排气工作场所。远离氧化剂。

防止爆炸和火灾：远离火源，没有烟。

要求对库房和容器：无特殊要求。

8. 接触控制措施/个人防护

接触指南：纤维粉尘应视为有害粉尘，即微粒（未另行分类）：ACGIH 阈值限值：10mg/m³ 总粉尘；3-mg/m³ 呼吸性粉尘。

工程控制：建议局部排气，以减少纤维粉尘的暴露。

特定个人防护设备：

呼吸：对于可能发生吸入性暴露的操作，建议使用 NIOSH 批准的防尘口罩/呼吸器。

眼睛：对于可能发生眼睛接触的操作，建议使用护目镜或安全眼镜等眼睛防护。

9. 物化性能

状态：固态

气味：无

条件的更改：

熔点/融化范围：170-210℃

点火温度：未确定

分解温度：未确定

爆炸的危险性：未确定

蒸汽压力：未确定

密度在25℃：1.21g/cm³

溶解性(水中)：未确定

10. 稳定性和反应性

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避免热分解：

如果按照规格使用和储存，则不会分解

避免接触的物质：

氧化物

危险的反应：

未有已知的危险反应

危险的分解产品：一氧化碳和二氧化碳

11. 毒物资料

急性毒性：

与分类相关的LD/LC50 的数值

口腔 LD50 4290mg/kg (rat)

皮肤 LD50 5990uL/kg (rabbit)

主要的刺激性影响：

皮肤：刺激皮肤和粘膜

眼睛：刺激眼睛：

过敏反应：没有已知的敏化影响。

12. 生态资料

水危害级别1（德国规例）（通过名单进行自我评估）：对水是稍微危害的，不要让未稀释或大量的产品接触地下水，水道或者污水系统。

若无政府许可，勿将材料排入周围的环境。

13. 丢弃考虑

产品丢弃建议：

请参考州、地方和国家有关法规。

将该产品交给危险废物处理者。

必须遵照政府的规例来特别处理。

未清理的包装：

建议：必须依据官方的章程来丢弃。

14. 运输资料

运输资料：按照以上规格是不危险的。

15. 监管信息

国际：

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加拿大：DSL/NDSL：列入加拿大国内物质清单。
 加拿大：WHMIS：非受控产品。
 欧洲：根据指令 1999/45/EC，未归类为危险品。
 联合国：不出现在危险品清单上。
 联邦（美国）：
 环保署：不受监管。
 OSHA：根据职业安全与健康标准 29 CFR 1910 子部分 Z 的标准，无危险。
 声明：
 CA：提案 65：不含加利福尼亚州已知的可导致癌症或生殖毒性的化学物质。

16其他资料

只能将该资料作为其他资料的补充。请正确使用并保护雇员的健康和安全。此信息不提供担保，未按照材料安全数据表使用该产品，或者与其他产品和操作过程中使用，后果自负。

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	Shenzhen eSUN Industrial Co;Ltd	The Document Number	GH-XG-YF-12
	Material Safety data sheet	Revision Date	2022. 8. 14

Material Safety data sheet

1. Identification

Product Name:eTPU-HS filament

Revision Date: Aug.14, 2022

Manufacture/Supplier:

Shenzhen eSUN Industrial Co;Ltd

More Information:

www.brightcn.net

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Shenzhen, 518057, China

TEL (086)-0755-86581960

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2. Composition

Chemical Character:

Ingredient Name	CAS NO.	Content (%)
Thermoplastic urethane	9087-79-0	1

3. Hazards Identification

Hazard designation: XI

Hazard designation: IV

Information pertaining to particular dangers for man and environment:

Long-term exposure can make skin dry, chapped, induced dermatitis.

There are less harmful to the environment, air, water, environment and water pollution.

Deflagration hazard: It can burn.

4. First aid measures

After skin contact

Instantly wash with plenty of soap and water thoroughly.

After eye contact

Flush eyes with flowing water, then consult doctor..

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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After swallowing

Seek immediate medical advice.

5.Fire-fightingmeasures

Suitable extinguishing agents:

CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Can be released in case of fire:carbon monoxide and carbon dioxide.

Protective equipment:Wear self-contained breathing apparatus.

Wear full protective suit.

6.Accidental Release Mwasures/ Steps to be Taken if

Material is Released or Spilled

Personal Precautions: None needed

Environmental precautions: None needed

Methods foe Cleanup: Vacuum or sweep up and place in a standard disposal container. Avoid the use of air jets.

7.Handling and Storage

Safe Handling:

Keep containers tightly sealed.

Storage:

Store in cool,dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

Stay away from oxidizing agent.

Protection against explosions and fires:

Keep ignition sources away. No smoke.

Requirement on storeroom and container:

No special requirement.

8.Exposure Control Measures/ Personal protection

Exposure Guidelines: Fiber dust should be considered a nuisance dust, i.e. particulates (not **otherwise classified**):ACGIH Threshold Limit Value:10mg/m3 total dust; 3-mg/m3 respirable dust.

Engineering Controls: Local exhaust recommended to reduce exposure to fiber dust.

Specific Personal Protective Equipment:

Respiratory: For operations where inhalation exposure can occur, a NIOSH approved dust mask/respirator is recommended.

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Eye: For operation where eye contact can occur, eye protection such as goggles or safety glasses is recommended.

9.Physical and Chemical Properties

General Information:

Form: Solid

Smell: Not determined.

Change in condition:

Melting point:175-210℃

Ignition temperature: Not determined

Decomposition Temperature: Not determined

Danger of explosion: Not determined

Vapor pressure: Not determined

Density at 25 ℃: 1.21g/cm³

Solubility (Water): Not determined

10.Stability and Reactivity

Thermal decomposition to be avoided:

No decomposition if used and stored according to specifications.

Materials to be avoided:

Oxidizing agent.

Dangerous reactions:

No dangerous reactions known.

Dangerous products of decomposition: Carbon monoxide and carbon dioxide.

11.Toxicological Information

Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral LD50 4290mg/kg(rat)

Dermal LD50 5990uL/kg(rabbit)

Primary irritant effect: Irritant for skin and mucous membranes.

On skin:Irritant effect.

On eye: No sensitizing effect known.

Additional information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA IAPV NTP OSHA or ACGIH.

12.Ecological Information

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Water hazard class 1(self assement): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Do not allow material to be released to the environment without proper governmental permits.

13.Disposal Considerations

Product:

Dispose of in a manner consistent with federal, state, and local regulations. Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.

Uncleaned package:

Disposal must be made according to official regulations.

14.Transport Information

No dangerous according to ADR/RID GGVS/GGVE IMDG/RID ICAO-TI.

15.Regulatory Information

International:

Canada :DSL/NDSL: Included on the Canadian Domestic Substance List.

Canada: WHMIS: Not a controlled product.

Europe: Not classified as dangerous according to Directive 1999/45/EC.

UN: Does not appear on the Dangerous Goods List.

Federal(U.S.):

EPA: Not regulated.

OSHA: Not hazardous under the criteria of Occupational Safety and Health Standard 29 CFR 1910 Subpart Z.

State:

CA: Proposition 65: Does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

16.Other Information

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of the employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet or in combination with any other product or process is the responsibility of the user.

Contact:

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