

MSDS Report

MSDS 报告

Product name : Photosensitive resin
(产品名称) : 光敏树脂-米黄色

Model Number : Beige
(样品型号) : 米黄色
Black, white, light gray, dark grey, red wax, Vanilla color, transparent, transparent blue, transparent red, Transparent Green, red clay, Blue Grey, colour of skin, miaMia powder, mia, Mia White, mddMdd semi white
黑色, 白色, 浅灰, 深灰, 红蜡, 香草, 透明, 透明蓝, 透明红, 透明绿, 红粘土, 蓝灰色, 肤色, 粉, 白, 半白

Trademark : Uniformation
(商标)

Prepared for : Zhongshan Huayu Yuanxing Electronic Technology Co., Ltd.
(申请商) : 中山华煜远行电子科技有限公司
Room 811, 8th Floor, Building A3 and 8th Floor, Building A4,
Intelligent Complex, No. 46 Keji West Road, Torch Development Zone,
Zhongshan City
中山火炬开发区科技西路 46 号智能大厦 A3 栋 8 楼 811 室及 A4 栋 8 楼

Address :
(公司地址)

Prepared by : Shenzhen LST Technology Co., Ltd.
(编制单位) : 深圳市利通检测技术有限公司
Huichao Building, Yintian Industry zone, Bao'an District, Shenzhen,
Guangdong P.R. China
广东省深圳市宝安区西乡街道银田工业区汇潮大厦

Address :
(地址)

Report Number : LST250798135MR
(报告编号)

Date of Test : Jul. 03, 2025 - Jul. 09, 2025
(测试日期) : 2025.07.03-2025.07.09

Date of Report : Jul. 09, 2025
(报告日期) : 2025.07.09

Tested by :
(测试)

Reviewer by :
(复核)



Approved by
(批准)

: 

Material Safety Data Sheet

化学品安全技术说明书

Section 1 – Chemical Product and Company Identification

第一部分 化学品及企业标识

Product name: Photosensitive resin
产品名称: 光敏树脂-米黄色

Model Number: Beige
样品型号: 米黄色
Black, white, light gray, dark grey, red wax, Vanilla color, transparent, transparent blue, transparent red, Transparent Green, red clay, Blue Grey, colour of skin, miaMia powder, mia, Mia White, mddMdd semi white
黑色, 白色, 浅灰, 深灰, 红蜡, 香草, 透明, 透明蓝, 透明红, 透明绿, 红粘土, 蓝灰色, 肤色, 粉, 白, 半白

Company: Zhongshan Huayu Yuanxing Electronic Technology Co., Ltd.
申请商: 中山华煜远行电子科技有限公司

Address: Room 811, 8th Floor, Building A3 and 8th Floor, Building A4, Intelligent Complex, No. 46 Keji West Road, Torch Development Zone, Zhongshan City
地址: 中山火炬开发区科技西路 46 号智能大厦 A3 栋 8 楼 811 室及 A4 栋 8 楼

E-mail: tengqian@huayuyuanxing.cn
邮箱:

Emergency phone: +86 13600343374
紧急联系电话:

MSDS Number: LST250798135MR
MSDS 号:

MSDS Date: Jul. 09, 2025
MSDS 日期: 2025.07.09

Section 2 – Hazards Identification

第二部分 危险性概述

Hazard classification:

In accordance with Regulation (EC) No.1272/2008[CLP/GHS] Under normal use condition, will not produce the harm effect

危险分类:

符合法规(EC) No.1272/2008[CLP/GHS]在正常使用条件下, 不会产生危害作用

Invasion route:

Skin contact: No known significant effects

Eyes contact: No known significant effect

Inhalation: N/A

Ingestion: N/A

侵入途径:

皮肤接触:无已知的显著影响

眼睛接触:无已知的显著影响

吸入:不适用

摄入:不适用

Health hazard:

Under normal use condition, will not produce the harm effect

健康危害:

在正常使用条件下, 不会产生危害作用

Environmental hazards:

Under normal use condition, will not produce the harm effect

环境危害:

在正常使用条件下, 不会产生危害作用

Section 3 – Composition/Information on Ingredient**第三部分 成分/组成信息****Product name: Photosensitive resin**

产品名称: 光敏树脂

Ingredient (成分)	CAS rumber (CAS 编号)	EC Number (EC 编号)	Concentration% (含量)
Acrylated aliphatic urethane 脂肪族聚氨酯 丙烯酸	68987-79-1	--	<40%
4-acryloylmorpholine 丙烯酰吗啉	5117-12-4	418-140-1	<60%
Diphenyl(2,4,6trimethylbenzoyl) phosphine oxide 二苯基- (2, 4, 6-三甲基苯甲酰) 氧磷	75980-60-8	278-355-8	<10%
Photoinitiator (光引发剂)	-	-	<5%

Chemical categories:

化学类别

Photosensitive resin

光敏树脂

Physical form:

物理形态:

Low viscosity liquid

低粘度液体

Appearance:

外观:

Low viscosity liquid

低粘度液体

Colour:

颜色:

Beige,Black,white,light gray,dark grey,red wax,
Vanilla color, transparent, transparent blue,
transparent red,Transparent Green,red clay,
Blue Grey,colour of skin,miaMia powder, mia,
Mia White,mddMdd semi white

米黄色, 黑色, 白色, 浅灰, 深灰, 红蜡, 香草, 透明,
透明蓝, 透明红, 透明绿, 红粘土, 蓝灰色, 肤色, 粉, 白,
半白

Odour:

气味

Slight resin smell

轻微的树脂味

Main application:

主要用途:

Used for 3D printing models

3D 打印模型

Section 4 – First Aid Measures**第四部分 急救措施****Eye Exposure:****眼睛接触:**

Rinse with plenty of water for 15 minutes as soon as possible. If you still feel unwell, please seek medical help

尽快用大量清水冲洗 15 分钟，如果你仍然感到不适，请寻求医疗帮助。

Inhalation :**吸入:**

Those who are not fit can go to a ventilated place to breathe fresh air

不适应的人可以去通风的地方呼吸新鲜空气

Oral Exposure:**口腔接触:**

Go to the hospital immediately

立即去医院

Skin contact:**皮肤接触:**

No known significant effects

无已知的显著影响

Comment:**说明:**

Treatment is based on the patient's condition

After first aid, get appropriate in-plant , paramedic, or community medical support.

治疗取决于患者的病情

急救结束后，获得适当的厂内、护理人员或社区医疗支持。

Section 5 – Fire Fighting Measures

第 5 节-消防措施

General Information:**一般信息:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. uncontrolled polymerization at high temperatures can lead to explosion or bottle rupture
与任何火灾一样，在有压力需求的情况下，佩戴自给式呼吸器、MSHA/NIOSH（经批准或等效）和全套防护装备。高温下不受控制的聚合可能导致爆炸或瓶子破裂

Inflammability: Non flammable

易燃性: 不易燃

Flash point: 105°C closed cup test

闪点: 105°C 闭环试验

Hazardous characteristics: No

危险特性: 无

Maximum flammable / explosive content: Non flammable

最大可燃/爆炸物含量: 不易燃

Minimum flammable / explosive content: Non flammable

最小可燃/爆炸物含量: 不易燃

Extinguishing Media:**灭火介质:**

Foam extinguishers and dry ice extinguishers

泡沫灭火器和干冰灭火器

Harmful combustion products:

Carbon dioxide, nitrogen oxides, phosphorus oxides, sulfur oxides and irritant organic gases

有害燃烧产物:

二氧化碳、氮氧化物、磷氧化物、硫氧化物和刺激性有机气体

Section 6 – Accidental Release Measures

第 6 节-泄露应急处理

Environmental Precautions:

Avoid discharging directly into the pool or sewer before curing; After curing, it is a typical polymer without direct harm to the environment

环境预防措施:

养护前避免直接排入水池或下水道；固化后，它是一种典型的聚合物，对环境没有直接危害

Cleaning method:

It is absorbed by activated carbon or other inert materials

quick alarm, evacuation of personnel, isolation of pollution areas, the number of evacuees and the size of isolated pollution areas, according to the amount of leakage and the toxicity of the spill are specific.

Cut off the power supply for flammable, explosive, leakage must be cut off before the fire source.

Pay attention to ensure adequate ventilation in the work place.

If leakage occurs, clean shovels will be collected in dry, clean and covered containers. container with equipment and cover.

清洁方法:

它被活性炭或其他惰性材料吸收

根据泄漏量和泄漏毒性，快速警报、人员疏散、污染区域隔离、疏散人员数量和隔离污染区域的大小是具体的。

切断电源对于易燃、易爆、泄漏的火源必须切断。

注意确保工作场所通风良好。

如果发生泄漏，清洁的铲子将被收集在干燥、清洁和有盖的容器中。

装有设备和盖子的容器。

Section 7 – Handling and Storage

第七部分 操作处置与储存

Keep in storage 储存

Store in a cool and dry place away from light

储存在阴凉干燥的地方，远离光线

Operation 操作

在通风良好的环境中使用时，禁止在高温、冰冻、火花和火焰的环境中使用本产品，以免直接接触身体和衣物。

Quality Guarantee Period 质量保证期

12 months 12 个月

Unsuitable Packaging Materials 不合适的包装材料

Uncertain 不确定

Section 8 – Exposure Controls, Personal Protection

第八部分 接触控制和个体防护

Engineering Controls: 工程控制:

Strengthen ventilated are required for handling of these products.

处理这些产品时，需要加强通风。

Controls parameter: Did not make epikote

控制参数：没有环氧树脂

Personal Protective Equipment: 个人防护设备:

Body skin protection and eye protection: choose to use in a ventilated and spacious environment; It is recommended that the direct operator use disposable gloves or finger covers;

身体皮肤保护和眼睛保护：选择在通风和宽敞的环境中使用；建议直接操作人员使用一次性手套或手指套；

Protective Gloves: 防护手套:

Use disposable gloves or fingertips

使用一次性手套或指尖

Section 9 –Physical and Chemical Properties

第九部分 理化特性

Appearance: 外观:	Low viscosity liquid 低粘度液体
Colour: 颜色	Beige,Black,white,light gray,dark grey,red wax, Vanilla color, transparent, transparent blue, transparent red, Transparent Green,red clay,Blue Grey,colour of skin, miaMia powder, mia, Mia White,mddMdd semi white 米黄色, 黑色, 白色, 浅灰, 深灰, 红蜡, 香草, 透明, 透明蓝, 透明红, 透明绿, 红粘土, 蓝灰色, 肤色, 粉, 白, 半白
Odour: 气味:	Slight resin smell 轻微的树脂味
viscosity(25°C、mPa.s): 粘度 (25°C、mPa. s) :	260±20
Boiling point/range: 沸点/范围:	100°C
Melting point/range: 熔点/范围:	Below 0 degree Cesium 低于 0 摄氏度
Others : 其他	Non volatile and carcinogenic materials 非挥发性和致癌物质
Chemical Uses : 化学用途:	Used for 3D printing models 3D 打印模型

Section 10 – Stability and Reactivity

第十部分 稳定性和反应性

Stability: 稳定性:

Exposure to light and high temperature will affect the stability
光照和高温会影响稳定性

Storage temperature: 8-28°C

储存温度: 8-28°C

Hazardous decomposition products:**有害分解产物:**

Carbon oxides, sulfur oxides, nitrogen oxides, phosphorus oxides and other organic gases
碳氧化物、硫氧化物、氮氧化物、磷氧化物和其他有机气体

Non coexistence:

不相容材料:

Strong oxidizing substances, strong acids and bases

强氧化物质、强酸和强碱

Section 11 – Toxicological Information**第十一部分 毒理学信息**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

如果主管当局要求进行特定成分分类，则以下信息可能与第 2 节中的材料分类不一致。此外，有关成分的毒理学数据可能不会反映在材料分类和/或暴露的迹象和症状中，因为成分可能存在于标签阈值以下，成分可能无法暴露，或者数据可能与材料整体无关。

Health hazard: refer to section 3

健康危害：参见第 3 节

Sensitization: unknown

致敏：未知

Mutagenicity: unknown

致突变性：未知

Reproductive heritability: unknown

再生毒性：未知

Carcinogenicity: No carcinogen

致癌性：没有致癌物

Other health hazard information:

Under normal use condition, will not produce the harm effect

其他健康危害信息：

在正常使用条件下，不会产生危害作用

Section 12 –Ecological impact and distribution

第十二部分 生态学信息

Environmental impact and distribution:

环境影响和分布:

The auxiliaries are separated from the wastewater by depositing or bonding to the silt, and the auxiliaries are degraded and degraded in the soil

助剂通过沉积或粘附在淤泥上与废水分离，助剂在土壤中不断降解

Environmental influence :

环境影响:

Avoid discharging directly into the pool or sewer before curing;

After curing, it is a typical polymer without direct harm to the environment

养护前避免直接排入水池或下水道;

固化后，它是一种典型的聚合物，对环境没有直接危害

Impacts on wastewater treatment plants:

对废水处理厂的影响:

Through bonding with sewage and silt, it can be over 90% of the leader, which has harmful effects on bacteria. The auxiliary agent in this product is not part of BOD

通过与污水和淤泥结合，它可以超过 90%的铅，这对细菌有有害影响。本产品中的助剂不是 BOD 的一部分

Further environmental supplementary information:

更多环境补充信息:

In addition to the solution: Additional environmental information on the auxiliaries may be provided upon request

除解决方案外：可根据要求提供辅助设备的其他环境信息

Section 13 – Disposal Considerations

第十三部分 废弃处置

Product must be disposed of in accordance with applicable Federal, state and local regulations.

必须按照适用的联邦、州和地方法规处置产品。

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Empty drums/barrels/containers used for transporting and handling

hazardous chemicals (chemical substances/mixtures preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

将完全固化（或聚合）的材料处置在允许的工业废物设施中。作为处置替代方案，在许可的垃圾焚烧设施中对未固化产品进行惰性化处理。除非适用废物法规另有规定，否则用于运输和处理危险化学品（根据适用法规分类为危险的化学物质/混合物制剂）的空桶/桶/容器应视为危险废物进行储存、处理和处置。咨询相关监管机构，以确定可用的治疗和处置方法。

Section 14 – Transport Information

第十四部分 运输信息

DOT Classification for Bulk Shipments (non bulk shipments may differ):

美国运输部散装运输的分类（非散装运输可能有所不同）：

Not a DOT controlled material (United States).

非点控制材料（美国）。

DOT Proper Shipping Name: Not applicable.

DOT正确的装运名称：不适用。

UN Number: Not applicable.

联合国编号：不适用。

Packing Group: Not applicable.

包装类别：不适用。

Marine Pollutant: Not available.

海洋污染物：不可用。

Hazardous Substance Reportable Quantity: Not available.

危险物质报告数量：不可用。

Special Provisions for Transport: Not applicable.

运输的特殊规定：不适用。

TDG Classification: Not controlled under TDG (Canada).

TDG分类：不受TDG（加拿大）控制。

ADR/RID Classification: Not controlled under ADR (Europe).

ADR/RID分类：不受ADR（欧洲）的控制。

IMO/IMDG Classification: Not Controlled under IMDG.

IMO/IMDG分类：不受IMDG控制。

ICAO/IATA Classification: Not controlled under IATA.

国际民航组织/国际航空运输协会分类：不受国际航空运输协会管制。

Transport fashion: By air, by sea, by railway, by road.

运输方式：空运、海运、铁路、公路。

By railway and road: has yet to evaluate

铁路和公路：尚未评估

By sea: don not belong to IMDG

海运：不属于 IMDG

By air: don not belong to ICAO

空运：不属于国际民航组织

Section 15 – Regulatory Information

第十五部分 法规信息

Applicable regulations: 适用法规:

Safe use of chemicals in the workplace [(1996) department of labor 423], for chemicals
Relevant provisions are made for the safe use, production, storage, transportation,
reshipment and other aspects

化学品在工作场所的安全使用[(1996)劳工部423]对安全使用、生产、储存、运输、转船
等方面作出了规定

Chemical inventory: 化学品清单:

AICS: Components are listed or exempted

AICS: 列出或豁免的组件

DSL: All of the chemical components in an item are exempt from the DSL chemical list or
the DSL chemical list

DSL: 一个项目中的所有化学成分都不属于DSL化学清单或DSL化学清单

IECSC: Components are listed or exempted

IECSC: 列出或豁免的组件

MITI: The constituent parts are included in ENCS or its exemption provisions

MITI: 组成部分包含在ENCS或其豁免条款中

KECL: All components are listed or exempted or announced

KECL: 所有组件均已列出、豁免或公布

EINECS: Components are listed or exempted

EINECS: 列出或豁免的成分

TSCA: All chemical components in an article are listed in the TSCA chemical list or are
exempt from the TSCA chemical list

TSCA: 物品中的所有化学成分均列在TSCA化学品清单中，或不在TSCA化学品清单中

PICCS: Components are listed or exempted

PICCS: 列出或豁免组件

Section 16 – Other Information**第十六部分 其他信息**

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

上述信息基于我们所知的数据，并被认为是正确的。由于本信息可能会在我们无法控制的情况下应用，并且可能不熟悉这些情况，而且本信息数据之后提供的数据可能会建议对信息进行修改，因此我们对其使用结果不承担任何责任。提供该信息的条件是，接收信息的人应自行确定材料是否适合其特定用途。

※※※※※ **END OF REPORT** ※※※※※

※※※※※ 报告结束 ※※※※※