

化学品安全技术说明书(MSDS)

MATERIAL SAFETY DATA SHEET

报告编号: BCTC2401947283R
Report No.:
委托单位: 深圳市创想三维科技股份有限公司
Applicant: Shenzhen Creality 3D Technology Co., Ltd
产品名称: 3D 打印机 UV 光敏树脂
Product Name: 3D Printer UV Curable Resin
产品型号: /
Product Type:
检测日期: 2024-01-24
Tested Date:
签发日期: 2024-01-25
Issued Date:
编制: 杨翠莲
Prepared By:
批准: 陈江华
Approved By:

深圳市倍测检测有限公司
Shenzhen BCTC Testing Co., Ltd.



第一部分 化学品及企业标识**1 - Identification of the substance /preparation and of the company/undertaking****产品标识****Product identifier**

产品名称 : 3D 打印机 UV 光敏树脂
Product name 3D Printer UV Curable Resin
型号 : /
Model number
商标 : **CREALITY**
Trademark
原产国 : /
Country of origin
出口国 : /
Export country
唯一的配方标识符 : 没有可用的信息。
UFI number No information available.
CAS号 : 见第三章。
CAS number Refer to section 3.
分子式 : 见第三章。
Molecular formula Refer to section 3.

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 of the substance or mixture and uses advised against**

有关已确定用途 : 没有可用的信息。
Relevant identified uses No information available.
不适用用途 : 没有可用的信息。
Uses advised against No information available.

安全技术说明书提供者的详情**Details of the supplier of the safety data sheet**

制造商名称 : 深圳市创想三维科技股份有限公司
Manufacture name Shenzhen Creality 3D Technology Co., Ltd
地址 : 深圳市龙华区民治街道新牛社区梅龙大道锦绣鸿都大厦18F
Address 18F, JinXiuHongDu Building, Meilong Blvd, Longhua Dist., Shenzhen.
China 518131
电话 : /
Telephone
电子邮件地址 : /
E-mail
紧急联系号码
Emergency telephone number
紧急通信电话 : /
Emergency phone



第二部分 危险性概述 2 - Hazards Identification

危险性类别

Hazards Classification

根据法规(EC) No 1272/2008(CLP), 样品被划分为以下危害等级。

In accordance with Regulation (EC) No 1272/2008(CLP), the sample is divided into the following hazard category.

物理危害	: 未被划分为物理危害等级。
Physical hazard	Not classified as a physical hazard class.
健康危害	: 未被划分为健康危害等级。
Health hazard	Not classified as a health hazard class.
环境危害	: 未被划分为环境危害等级。
Environment hazard	Not classified as a environment hazard class.

标签要素

Label elements

根据法规(EC) No 1272/2008(CLP)或其他相关的国家法规, 该样品不需要标识。

The product does not need to be labelled in accordance with Regulation (EC) No 1272/2008(CLP) or respective national laws.

其他危害

Other hazards

没有任何成分(含量 $\geq 0.1\%$)符合附录XIII规定的PBT/vPvB类物质。

根据法规(EU) 2017/2100, 没有任何成分(含量 $\geq 0.1\%$)被确定为具有内分泌干扰特性。

None of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.

None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

侵入途径	: 皮肤接触, 眼睛接触, 吸入, 摄入。
Invasion route	Skin touch, Eyes touch, Inhalation, Ingestion.
健康危害	: 对健康无已知重大影响或严重危害。
Health hazards	No know significant effects or critical hazard to health.
环境危害	: 对环境无已知重大影响或严重危害。
Environment hazards	No know significant effects or critical hazard to environment.
燃爆危险	: 样品不易燃。
Burn & burst danger	The sample is not flammable.



第三部分 成分/组成信息
3 - Composition / Information on Ingredients

物质/混合物: 混合物 Substance/preparation: preparation				
成分/物质 Component/Substance	分子式 Molecular Formula	成分比 Percent of Content (%)	CAS 号 CAS Number	危害说明 Hazard Statement
环氧丙烯酸树脂 Epoxy acrylic resin	/	0-50	71281-65-7	/
三环癸二甲醇二丙烯酸酯 Tricyclodecane dimethanol dia crylate	C ₁₈ H ₂₄ O ₄	0-25	42594-17-2	/
2-丙酸-(5-乙基-1,3-二氧杂环己 烷-5-基)甲基酯 (5-ethyl-1,3-dioxan-5-yl) methyl acrylate	C ₉ H ₁₃ O ₄	0-25	66492-51-1	/

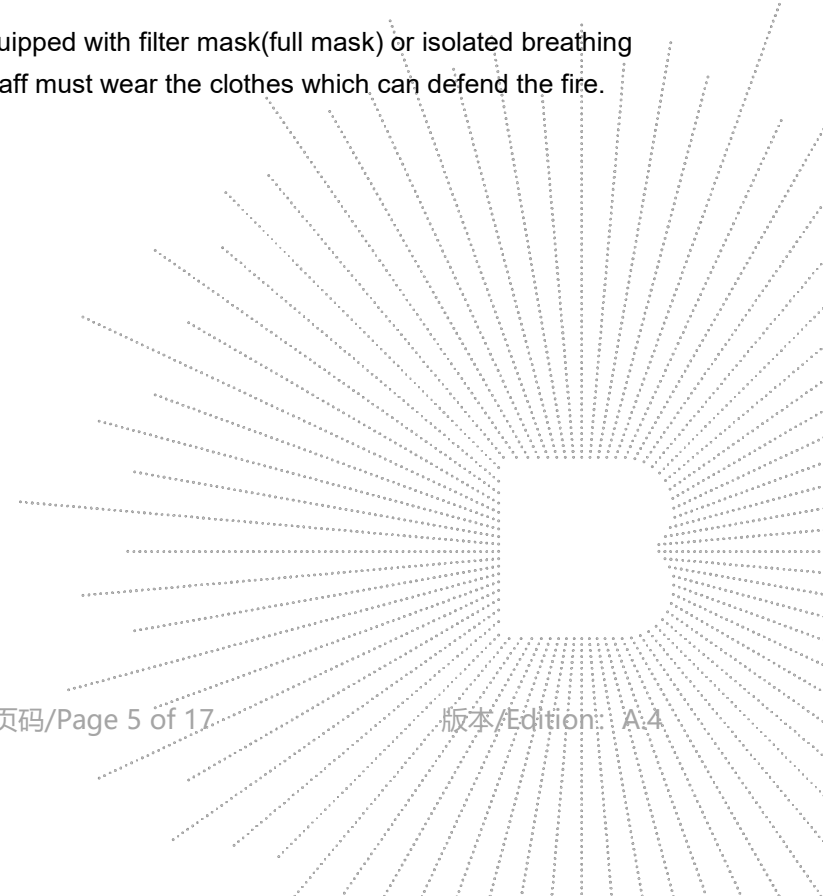
第四部分 急救措施
4 - First Aid Measures

皮肤接触 Skin Contact	: 如果造成刺激或过敏, 用大量肥皂水冲洗, 立即将患者送去医院, 就医。 In case of irritation or sensitisation, Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
眼睛接触 Eye Contact	: 如进入眼睛: 用水小心冲洗几分钟。如仍觉眼刺激: 求医/就诊。 IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
吸入 Inhalation	: 提供新鲜空气。如果您感到不适, 请致电解毒中心/医生。 Supply with fresh air. Call a POISON CENTER/doctor, if you feel unwell.
摄入 Ingestion	: 如误食, 漱口。不要给失去知觉者通过口喂食任何东西。如大量食入, 请立即就医。 If swallowed, rinse mouth. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, immediately call a POISON CENTER or doctor/physician.
最重要的症状及危害效应 The most important symptoms and acute harmful effects	: 没有已知的症状或影响。 No known symptoms or effects.
及时的医疗处理和所需的 特殊处理的说明和指示 Indication of any	: 无可数据。 No data available.

immediate medical
attention and special
treatment needed

第五部分 消防措施
5 - Fire Fighting Measures

- 匹配的灭火材料 : 泡沫、二氧化碳、干粉灭火器。
Suitable Fire Extinguishing Media : Foam, carbon dioxide, dry chemical extinguishers.
- 特别危害特性 : 样品不易燃。燃烧产生的烟气可能会使人窒息、刺激。
Special Remarks On Fire Hazards : The sample is not flammable. The smoke of combustion may cause apnea, irritation.
- 特别消防规程 : 尽快把未点燃产品从火灾现场移到开阔处。对于小火灾使用干粉、二氧化碳、水喷雾、抗溶性泡沫。对于大火灾, 站在上风位灭火, 持续喷水冷却容器, 直至火灭为止。
Special Fire-Fighting Procedures : 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 to cool fire-exposed containers.
- 燃烧产物 : 一氧化碳, 二氧化碳, 氧化氮和其他未确定产物。
Combustion Products : Carbon monoxide, carbon dioxide, nitrogen oxides and other unidentified product.
- 防护设备 : 救护人员需佩戴过滤式面具(全面具式)或独立的呼吸设备。救护人员也须穿防火消防服。
Protective Equipment : The staff must equipped with filter mask(full mask) or isolated breathing apparatus. The staff must wear the clothes which can defend the fire.



第六部分 泄露应急处理
6 - Accidental Release Measures

人员防护措施、防护装备和 应急处置程序	:	使用个人防护装备。避免吸入粉尘、烟、蒸气、气雾或气体。保证充分的通风。消除所有火源。将人员疏散到安全区域。
Personal precautions, protective equipment and emergency procedures		Use personal protective equipment. Avoid breathing dust, smoke, vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
环境保护措施	:	收集泄漏物, 避免环境污染, 防止扩散或进入下水道、地表水和地下水。
Measures for environment protection		Collect leaking, avoid environmental pollution, and prevent from spreading or entering into sewers, surface water and groundwater.
泄漏化学品的收容、清除方 法及所使用的处置材料	:	捡拾并安排处理, 不要产生灰尘。扫掉并铲走。存放在合适的密闭容器中处理。
Methods and materials for containment and cleaning up		Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
附加信息	:	为防止鸟类或鱼类由排水系统摄食, 必须彻底回收, 再使用。
Additional information		Prevent birds or fish feeding by the drainage system, must be completely recycled.

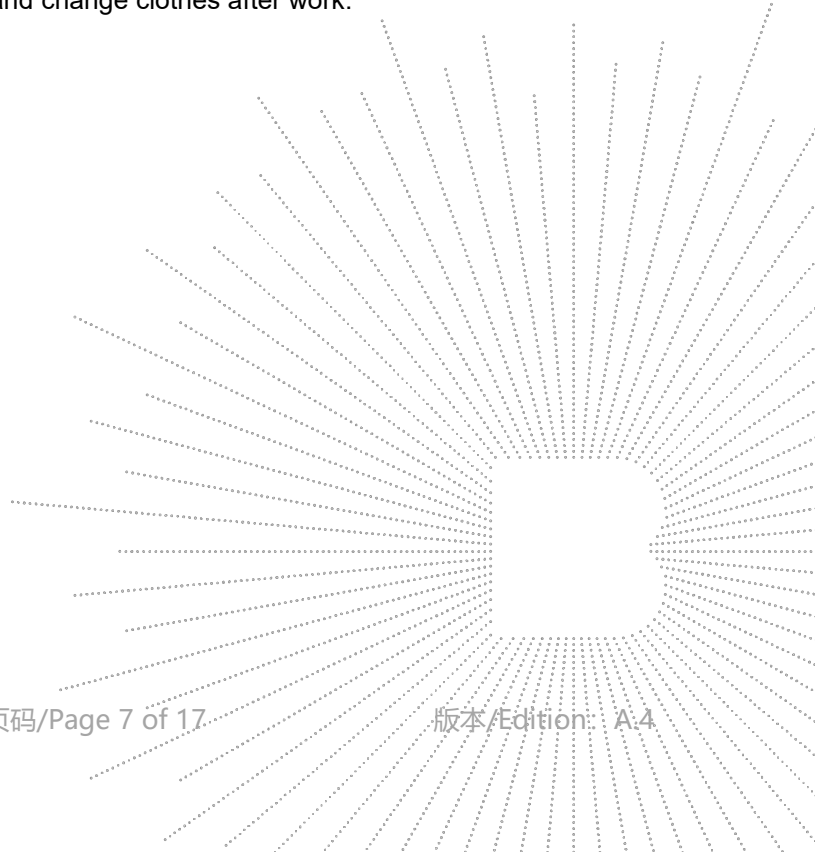
第七部分 操作处置与储存
7 - Handling and Storage

安全操作的注意事项	:	避免产生粉尘和喷雾。避免接触皮肤和眼睛。操作人员必须经过专门培训, 严格遵守操作规程。做好整理整顿以避免粉尘累积。穿戴适当的防护服、手套、眼/面部保护。
Precautions for safe handling		Avoid formation of dust and aerosols. Avoid contact with skin and eyes. Operating personnel must train specially and follow close to the line of operating instruction. Avoid accumulate dust. Wear suitable protective clothing, gloves and eye/face protection.
安全储存的条件, 包括任何 不兼容性	:	包装密封。储存于阴凉、干燥、通风的库房。远离火源 - 禁止吸烟。与氧化剂分开存放。配备相应品种和数量的消防器材。储存处严禁烟火。保持样品容易识别。
Conditions for safe storage, including any incompatibilities		Packing require seal. Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. - No smoking. Keep separate with the oxidizing agent. Equip with relevant type and quantities of the extinguishment instruments. Keep the sample as a easy identification.



第八部分 接触控制/个人防护
8 - Exposure Controls / Personal Protection

最高允许浓度 Maximum admissible concentration	: 未制定标准。 No standard yet.
监测方法 Monitoring Method	: 无可用数据。 No data available.
工程控制 Engineering Control	: 装备洗眼设施和安全淋浴。使用适当的全面或局部通风, 保持空气浓度低于允许的暴露极限。 Equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
呼吸系统保护 Respiratory Protection	: 戴合适的口罩。当粉尘浓度超标时, 必须佩戴空气净化化的防护面具。 Wear suitable mask. If the dust density exceed in the air, must wear air-purifying respirators.
眼睛防护 Eye Protection	: 戴合适的化学安全防护眼镜。 Wear suitable chemical safety goggles.
身体防护 Body Protection	: 穿戴适当的防护服。 Wear suitable safety cloth.
手防护 Hands Protection	: 穿戴适当的防护手套。 Wear suitable protective gloves.
其他防护 Other Protection	: 工作现场禁止吸烟、进食和饮水。保持良好的卫生习惯。下班以后要沐浴和更换衣服。 No smoking, dining and drinking water in the workplace. Keep good habit of hygiene. Shower and change clothes after work.



第九部分 理化特性

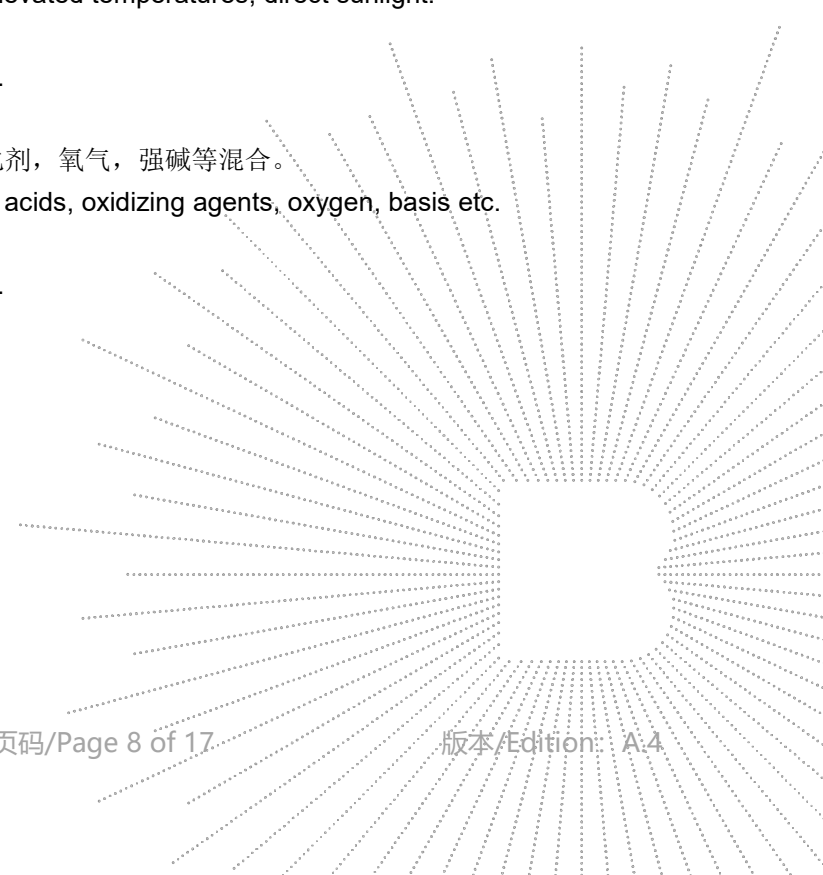
9 - Physical and Chemical Properties

形态	: 液态	气味	: 有轻微气味
Appearance	Liquid	Odor	Slight smell
颜色	: 蓝色	pH 值	: 无可数据。
Color	Blue	pH	No data available.
熔点	: 无可数据。	密度	: 无可数据。
Melting Point	No data available.	Density	No data available.
沸点	: 无可数据。	闪点	: 无可数据。
Boiling point	No data available.	Flashing Point	No data available.
爆炸上限	: 无可数据。	爆炸下限	: 无可数据。
Explosion Upper Limits	No data available.	Explosion Lower Limits	No data available.
溶解度	: 无可数据。		
Solubility	No data available.		

第十部分 稳定性和反应活性

10 - Stability and Reactivity

稳定性	: 常温常压下稳定。
Stability	Stable under normal temperature and pressure.
避免接触的条件	: 避免明火、高温、阳光直射。
Conditions To Avoid	Avoid open fire, elevated temperatures, direct sunlight.
可能发生的有害反应	: 无可数据。
Possibility of hazard reactions	No data available.
禁配物	: 不宜与强酸, 氧化剂, 氧气, 强碱等混合。
Incompatible materials	Incompatible with acids, oxidizing agents, oxygen, basis etc.
分解产物	: 无可数据。
Hazardous Decomposition Products	No data available.

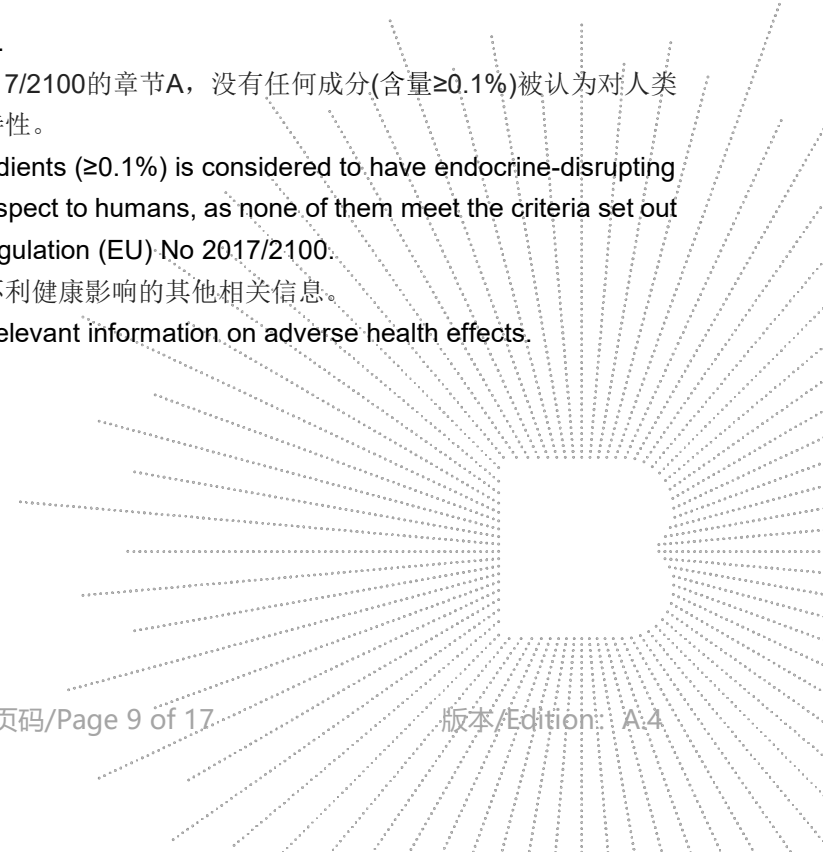




第十一部分 毒理学资料

11 - Toxicological Information

急性毒性	: 无可数据。
Acute Toxicity	No data available.
皮肤腐蚀/刺激性	: 无可数据。
Skin corrosion/irritation	No data available.
严重眼伤害/眼刺激	: 无可数据。
Serious eye damage/eye irritation	No data available.
呼吸系统或皮肤致敏作用	: 无可数据。
Respiratory or skin Sensitization	No data available.
生殖细胞致变性	: 无可数据。
Germ cell mutagenicity	No data available.
致癌性	: 无可数据。
Carcinogenicity	No data available.
生殖毒性	: 无可数据。
Reproductive toxicity	No data available.
特定靶器官毒性-单次暴露	: 无可数据。
Specific target organ toxicity-single exposure	No data available.
特定靶器官毒性-长期暴露	: 无可数据。
Specific target organ toxicity-repeated exposure	No data available.
吸入危害	: 无可数据。
Aspiration hazard	No data available.
内分泌干扰特性	: 根据法规(EU) 2017/2100的章节A, 没有任何成分(含量 $\geq 0.1\%$)被认为对人类具有内分泌干扰特性。
Endocrine disrupting properties	None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.
其他信息	: 没有已知的关于不利健康影响的其他相关信息。
Other information	No known other relevant information on adverse health effects.



第十二部分 生态学资料
12 - Ecological Information

生态毒性	: 无可用数据。
Toxicity	No data available.
持久性和降解性	: 无可用数据。
Persistence and degradability	No data available.
潜在的生物累积性	: 无可用数据。
Bioaccumulative potential	No data available.
土壤中的迁移性	: 无可用数据。
Mobility in soil	No data available.
PBT 和 vPvB 评估结果	: 该混合物不含任何被评估为PBT或vPvB的物质(含量≥0.1%)。
Results of PBT and vPvB assessment	This mixture does not contain any substances (≥0.1%) that are assessed to be a PBT or a vPvB.
内分泌干扰特性	: 根据法规(EU) 2017/2100的章节B, 没有任何成分(含量≥0.1%)被认为对非目标生物具有内分泌干扰特性。
Endocrine disrupting properties	None of the ingredients (≥0.1%) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.
其他有害影响	: 当大量投放到环境中去时, 可能造成污染。
Other adverse effects	It might cause pollution when released large-scale to the air, water.

第十三部分 废弃处置
13 - Disposal Considerations

废弃物性质	: 该样品不属于危险废弃物。
Nature of waste	This product is not regarded as hazardous waste.
废弃处置方法	: 处置前参阅国家和地方法规, 或交付给经授权认可的回收商。
Waste disposal methods	Offer surplus and non-recyclable solutions to a licensed disposal company. Refer to National or Local regulations before handling.
废弃注意事项	: 避免抛弃到水中。
Attention abandoned	Avoid abandon to the water.

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第十四部分 运输信息
14 - Transport Information**运输注意事项:****Transport Attentions:**

该物品铁路运输时限使用企业自备罐车装运,装运前需报有关部门批准。运输时运输车辆应配备相应品种和数量的消防器材及泄漏应急处理设备。夏季最好早晚运输。运输时所用的槽(罐)车应有接地链,槽内可设孔隔板以减少震荡产生静电。严禁与氧化剂、酸类、碱金属、胺类、食用化学品等混装混运。运输途中应防曝晒、雨淋,防高温。中途停留时应远离火种、热源、高温区。装运该物品的车辆排气管必须配备阻火装置,禁止使用易产生火花的机械设备和工具装卸。公路运输时要按规定路线行驶,勿在居民区和人口稠密区停留。具体请参照ADR-RID/PG、IMO/IMDG/PG、IATA/ICAO/PG以及第七部分的要求。

The products restrict the use of own steel tanker shipment when railway transport, submit to relevant departments for approval. The transport vehicles should be equipped with the appropriate variety and quantity of fire control equipment and emergency equipment for leakage. In summer, best transport in morning or evening. Transport tank should have grounding chain, the inner of tank should have baffle hole plate to reduce static electricity. Ban mixed operation with antioxidants, acid, alkali metal and amine. Prevent insolate, rain and heat in transit. Keep away from fire, heat and high temperature when stopover. Exhaust pipes of transport vehicle must be equipped with fire retardant equipment. Ban load and unload with mechanical equipments and tools that easy to produce the spark. According to prescribed routes when road transport. Do not stay in residential area and densely populated area. Ban humping when railway transport. Ban bulk transport use wooden boats, concrete boats.

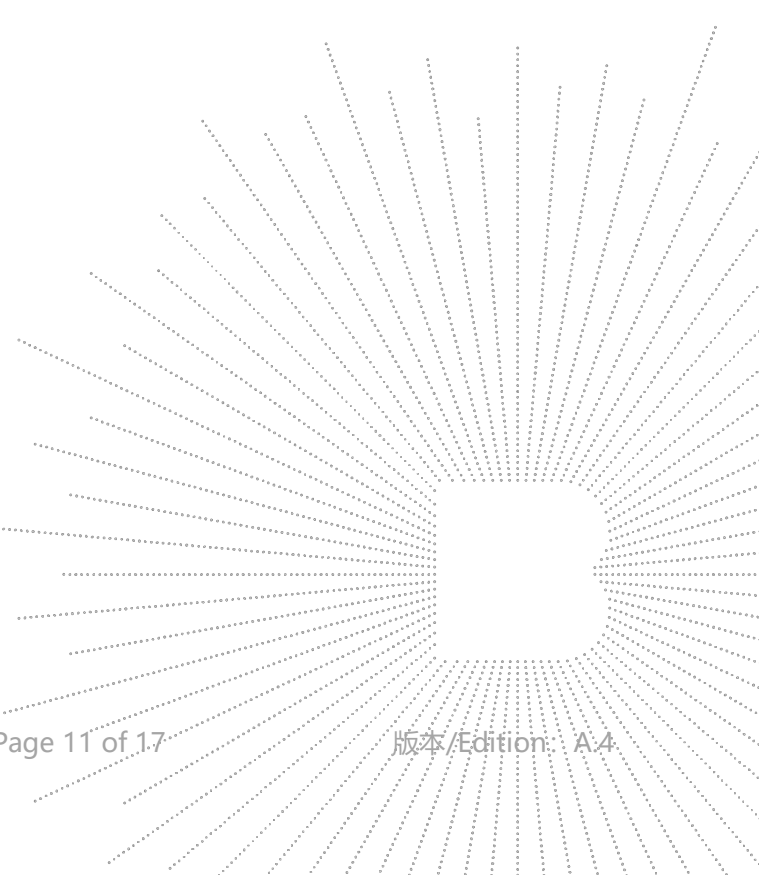
Please refer to section 7-Handling and Storage also, and requirements of the ADR-RID/PG, IMO/IMDG/PG, IATA/ICAO/PG.

国际海运危险货物规则**Maritime transport IMDG**

国际海运危险货物规则 : 非危险品
IMDG Code Non-dangerous goods.
UN编号 : 无可用数据。
UN-Number No data available.
包装组别 : 无可用数据。
Packing group No data available.
运输名称 : 无可用数据。
Proper shipping name No data available.

运输部条例**DOT regulations**

危险类别 : 非危险品
Hazard class Non-dangerous goods.
UN编号 : 无可用数据。
UN-Number No data available.
包装组别 : 无可用数据。
Packing group No data available.
运输名称 : 无可用数据。



Proper shipping name No data available.

陆路运输条例

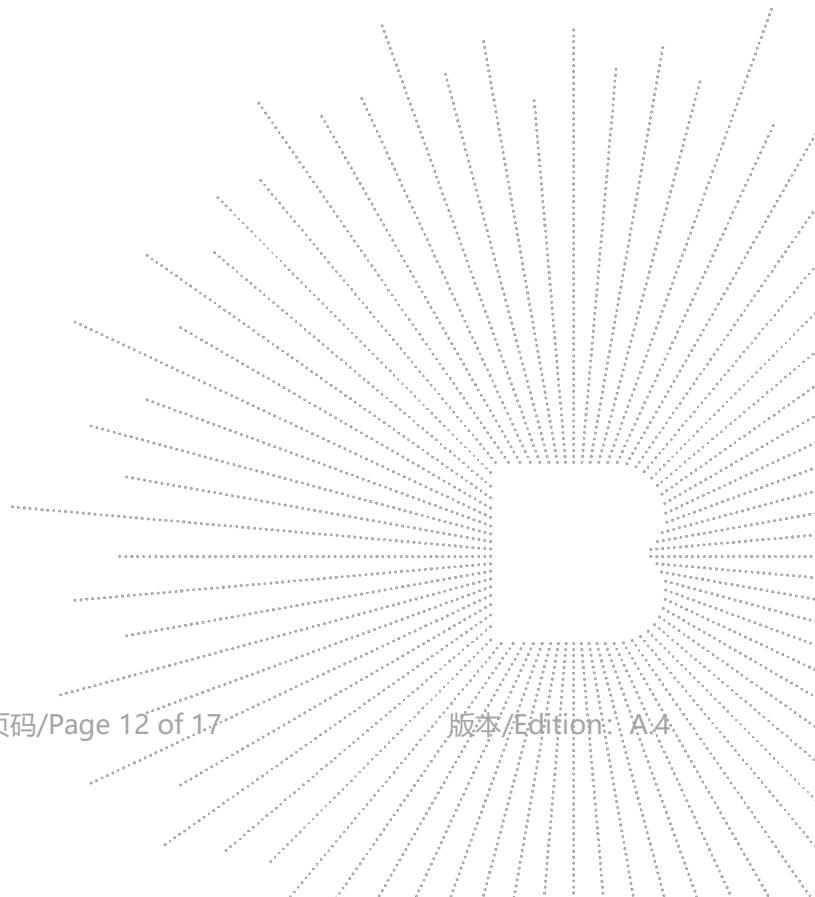
Land transport ADR/RID(cross-border)

危险类别 : 非危险品
Hazard class Non-dangerous goods.
UN编号 : 无可用数据。
UN-Number No data available.
包装组别 : 无可用数据。
Packing group No data available.
运输名称 : 无可用数据。
Proper shipping name No data available.

国际航空运输条例

Air transport ICAO-TI and IATA-DGR

国际民航危险类别识别 : 非危险品
ICAO-TI-II class Non-dangerous goods.
UN/ID编号 : 无可用数据。
UN/ID Number No data available.
包装组别 : 无可用数据。
Packing group No data available.
运输名称 : 无可用数据。
Proper shipping name No data available.



第十五部分 法规信息
15 - Regulatory Information

针对物质或混合物的安全、健康和环境的特别的法规/法律

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

德国关于水危害分类的规定(WGK)	: 不列入。
German regulations concerning the classification of hazard for water(WGK)	Not listed.
REACH法规(EC) No 1907/2006的高度关注物质与修订法规(EU) No 2020/878	: 不列入。
Substance of Very High Concern (SVHC) according to Regulation (EC) No 1907/2006 (REACH) and its amendment Regulation (EU) No 2020/878	Not listed.
REACH法规(EC) No 1907/2006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	: 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 observed	Not listed.
REACH法规(EC) No 1907/2006附件XVII(需要授权才能使用物质)	: 不列入。
Regulation (EC) No 1907/2006 (REACH) Annex XVII (requiring authorization for use)	Not listed.
REACH法规(EC) No 1907/2006预注册物质	: 不列入。
Regulation (EC) No 1907/2006 (REACH)-Pre-registered substance.	Not listed.
法规(EC) No 1005/2009关于破坏臭氧层物质	: 不列入。
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	Not listed.
法规(EC) No 649/2012关于危险化学品的出口、进口, 附录I	: 不列入。
Regulation (EC) No 649/2012 concerning the export and import of dangerous chemicals, Annex I	Not listed.
ELINECS(欧洲化学品通报清单)	: 不列入。
ELINECS(European List of Notified Chemical Substances)	Not listed.
化学品安全评估	: 无可用数据。
Chemical Safety Assessment	No data available.

第十六部分 其他信息
16 - Other Information**缩写和首字母缩略词:****Abbreviations and acronyms:**

ADR	: 欧洲关于危险国际货物公路运输的协议 European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	: 化学文摘社 Chemical Abstracts Service
CLP	: 分类、包装、标签 Classification Packaging and Labelling
DOT	: 美国交通部 US Department of Transportation
IATA	: 国际航空运输协会 International Air Transport Association
ICAO	: 国际民航组织 International Civil Aviation Organization
IMDG	: 国际海运危险货物规则 International Maritime Dangerous Goods
PBT	: 持久性、生物累积性和毒性 Persistent, Bioaccumulative and Toxic
RID	: 国际危险货物铁路运输规则 Regulations Relating to International Carriage of Dangerous Goods by Rail
UN	: 联合国 The United Nations
vPvB	: 高持久性和高生物累积性 very persistent and very bioaccumulative

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样品图片

Photograph of Sample



图 1/ Fig.1



图 2/ Fig.2

检
检测
0807

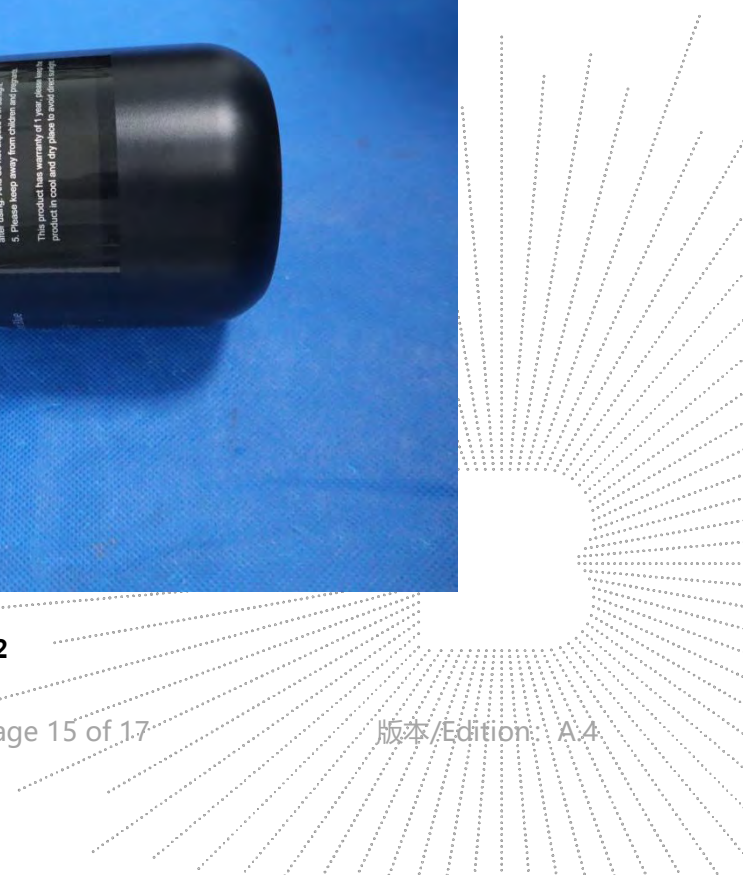




图 3/Fig.3

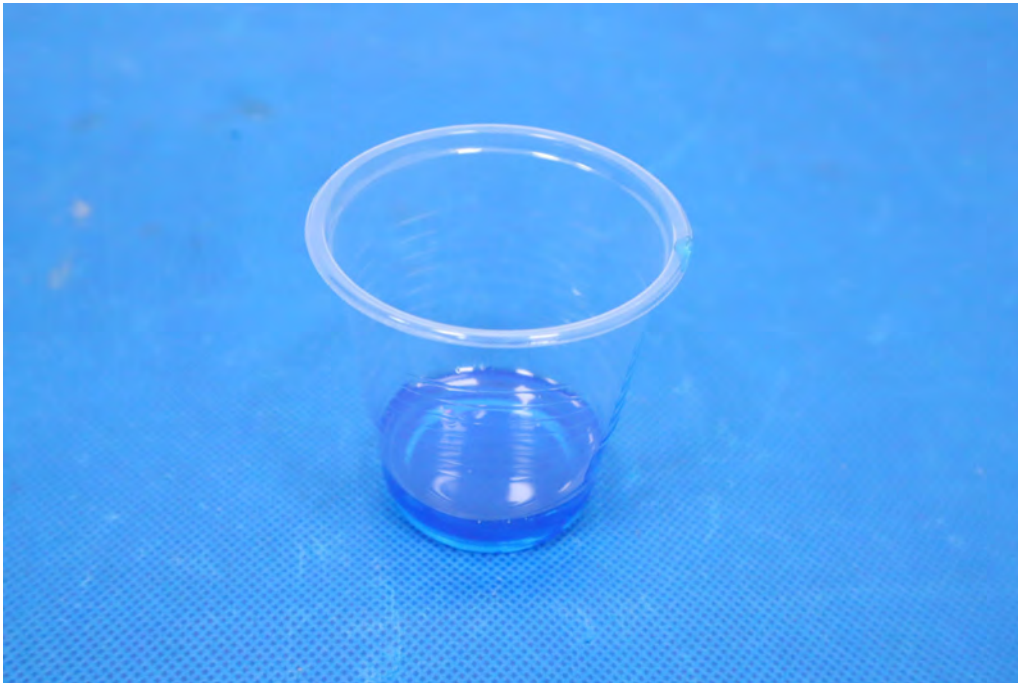
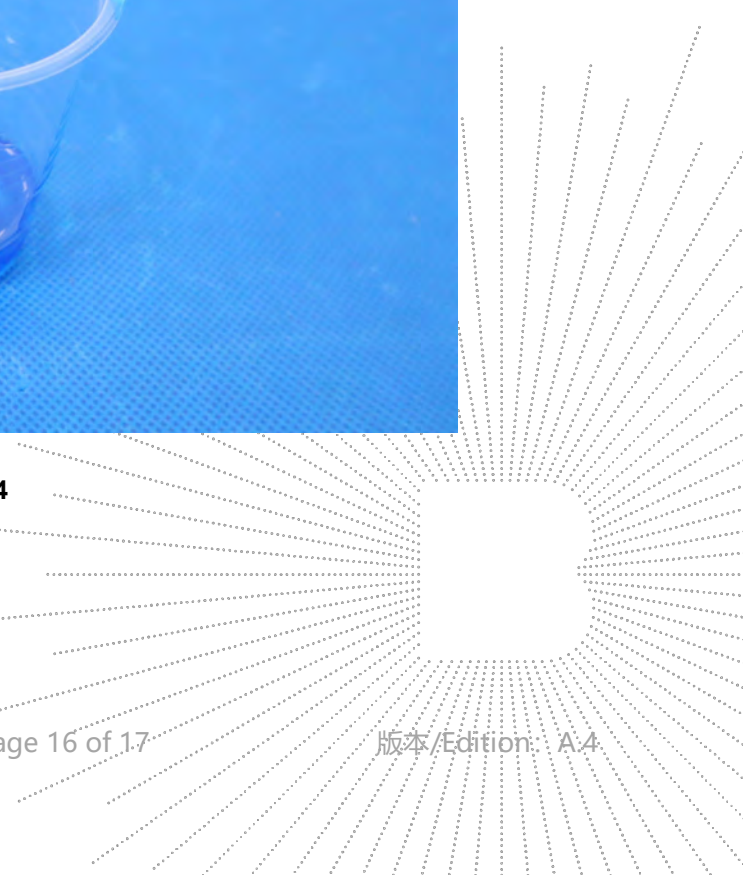


图 4/Fig.4



声 明
STATEMENT

1. 本次检测所用的测量设备的量值均可以溯源到国家计量标准。
The equipment lists are traceable to the national reference standards.
2. 检测报告未经本实验室书面批准, 不得部分复制。
The test report can not be partially copied unless prior written approval is issued from our lab.
3. 检测报告未加盖“检测检测专用章”无效。
The test report is invalid without the "special seal for inspection and testing".
4. 检测报告无批准人员签字无效。
The test report is invalid without the signature of the approver.
5. 本次检测的结果仅对所检测样品有效。
The test process and test result is only related to the Unit Under Test.
6. 样品的相关信息由委托单位提供, 实验室不对其真实性负责。
Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. 无 CMA 标志的检测报告, 仅供科研、教学、企业产品研发及内部质量控制目的用。
The test report without CMA mark is only used for scientific research, teaching, enterprise product development and internal quality control purposes.
8. 本实验室的质量体系符合 ISO/IEC17025 标准的要求。
The quality system of our laboratory is in accordance with ISO/IEC17025.
9. 如对本检测报告有异议, 可在收到检测报告后 15 天内向本单位申诉, 逾期不予受理。
If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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※※※※※ END ※※※※※