

化学品物质安全数据表

Material Safety Data Sheet

HK-UV300 系列

HK-UV300 SERIES

Section 1 : 化学品及企业标识 Product Identification

化学品名称: 紫外光固化胶粘剂	Product name: UV-Curing Adhesive
型号: HK-UV300 系列	Model number: HK-UV300 series
企业名称: 东莞弘科新材料科技有限公司	Manufacturer : DongGuan HongKe New Material Technology CO., LTD
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生效日期: 2021 年 5 月 31 日	Effective date:May31,2021

Section 2: 成份/组成信息 Component/composition information

项目 Item	成分 Composition	CAS NO:	浓度% content
1	聚氨酯丙烯酸酯预聚物 Polyurethane acrylate prepolymer	Proprietary	40~60
2	丙烯酸酯单体 Acrylate monomer	5888-33-5	15~35
3	增韧剂 Toughening agent	Proprietary	2-10
4	光引发剂 A Photoinitiator A	7473-98-5	1~2
5	光引发剂 B Photoinitiator B	Proprietary	1~2
6	助剂 additives	Proprietary	1~5

Section 3: 危险性概述 Hazard Overview

危险性类别：可燃液体 Danger category: flammable liquid	侵入途径：吸入 食入 经皮吸收 Invasion route: ingestion by inhalation and percutaneous absorption
健康危害 Health hazard	本品对皮肤有刺激性 This product is irritating to the skin
	急性中毒 Acute poisoning 中毒症状为皮肤红肿，呼吸困难，呼吸道有灼烧感。 Symptoms include swollen skin, difficulty breathing and a burning sensation in the respiratory tract.
	慢性中毒 Chronic poisoning 可能引起皮肤炎。长期接触会造成皮肤过敏。 May cause dermatitis. Prolonged exposure can cause skin irritation
环境危害 Environmental hazards	该物质固化前对环境没有危害，固化后为典型聚合物对环境无直接危害 The substance has no harm to the environment before curing, and no direct harm to the environment after curing as a typical polymer
燃爆危险 Combustion hazard	可燃，无爆炸危险。 Flammable, no explosion risk.

Section 4: 急救措施 First aid measures

皮肤接触 Skin contact	脱去污染的衣着，用水清洗后再用肥皂水彻底冲洗皮肤 Remove contaminated clothing and rinse skin thoroughly with soapy water after rinsing
眼睛接触 Eye contact	提起眼睑，用大量流动清水或生理盐水冲洗至少 5 分钟。就医。 Lift eyelids and flush with plenty of running water or saline for at least 5 minutes. Go to a doctor.
食入 eat	立即漱口，饮足量温水，急送医院就医。 Gargle immediately, drink enough warm water, and send to the hospital for medical treatment.
吸入 suction	迅速脱离现场至空气新鲜处，保持呼吸通畅。呼吸困难时给予吸入碳合物（氧气和 6%二氧化碳的混合气）；呼吸停止，立即

	<p>进行人工呼吸。 Leave the scene quickly to fresh air, keep breathing. Inhaling carbonates (a mixture of oxygen and 6% carbon dioxide) in cases of dyspnea; Stop breathing, give artificial respiration immediately.</p>
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Section 5: 消防措施 Fire control measures

危险特性 Dangerous characteristic	<p>可燃，应远离火源。对呼吸道、皮肤、眼睛有轻微刺激。 Flammable, should be away from the source of fire. Mild irritation to respiratory tract, skin and eyes</p>
有害燃烧产物 Harmful combustion product	<p>一氧化碳 (CO) Carbon monoxide (CO)</p>
灭火方法及灭火剂 Extinguishing method And the fire extinguishing agent	<p>泡沫、干粉、二氧化碳、砂土灭火。 Foam, dry powder, carbon dioxide, sand fire extinguishing.</p>
灭火注意事项 Fire Extinguishing Precautions	<p>全身穿消防防护服，防火防毒服，防护靴。带正压自给式呼吸器。在上风向灭火。用水灭火无效。 Wear fire protection suits, fire protection suits, boots. Self-contained breathing apparatus with positive pressure. Put out the fire upwind. Putting out a fire with water is useless.</p>

Section 6: 泄露应急处理 Accidental Release Measures

应急处理 Emergency treatment	<p>迅速撤离泄漏污染区人员至安全区，并进行隔离，严格限制出入。切断火源。建议应急处理人员戴自给式呼吸器，穿一般作业工作服。不要直接接触泄漏物。尽可能切断泄漏源。防止流入下水道、排洪沟等限制性空间。小量泄漏：用砂土、干燥石灰或苏打灰混合。大量泄漏：构筑围堤或挖坑收容。用泵转移至槽车或专用收集器内，回收或运至废物处理场所处置。 Evacuate people from the contaminated area to the</p>
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	<p>safe area, isolate them, and strictly restrict access. Cut off the fire. It is recommended that emergency personnel wear self-contained breathing apparatus and general work clothes. Do not contact the spill directly. Cut off the source of leakage as much as possible. Prevent it from flowing into restricted space such as sewer and flood discharge ditch. Small spills: Mix with sand, dry lime or soda ash. Large amount of leakage: build embankment or dig pit reception. Transfer by pump to tank car or special collector, recycling or transport to waste treatment site disposal.</p>
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Section 7: 操作处理与储存 Operation treatment and storage

<p>操作处置注意事项 Precautions for operation and disposal</p>	<p>在通风良好处使用，禁止在高热、冰冻、火花、火焰的环境下使用本品，避免身体及衣物直接接触。粘接之前避免有阳光或紫外光直接照射。</p> <p>Use in well ventilated place, do not use in high heat, freezing, spark, flame environment, avoid direct contact with the body and clothing. Avoid direct exposure to sunlight or ultraviolet light before bonding.</p>
<p>储存注意事项 Storage Precautions</p>	<p>光固化树脂须储藏在不会聚合或裂解的场所。1. 存贮在远离阳光的地方。2. 存贮在阴凉通风的地方。3. 不要任意更改树脂包装。4. 分装时选择适当的树脂容器。（例如：PE、PP塑料桶，不锈钢桶，树脂涂布的碳钢桶，或玻璃器皿）</p> <p>Photocured resins should be stored in a place where they will not polymerize or crack. 1. Store away from sunlight. 2. Store in a cool and ventilated place. 3. Do not arbitrarily change the resin packaging. 4. Choose appropriate resin containers when packing. (for example: PE, PP plastic drums, stainless steel drums, resin coated carbon steel drums, or glass)</p>

Section8: 接触控制与个人防护 Contact control and personal protection

最高容许浓度 Maximum permissible concentration	工作场所监控相关物质临界含量数据缺乏 Lack of critical content data related to workplace monitoring
监测方法 Monitoring method	无数据 No data
工程控制 Engineering control	注意通风，避光。 Pay attention to ventilation, avoid light.
呼吸系统防护 Respiratory protection	可能接触其蒸气时，应该佩带自吸过滤式防毒面具（半面罩） Self-priming filter gas mask (half-mask) should be worn when possible contact with vapor
眼睛防护 Eye protection	戴化学安全防护眼镜 Wear chemical safety glasses
身体防护 body protection	穿棉质工作服。 Wear cotton work clothes
手防护 Hand protection	戴橡胶耐油手套 Wear rubber oil-resistant gloves
其他防护 Other protective	工作现场严禁吸烟，保持良好卫生习惯，工作完毕，淋浴更衣。 No smoking at work site, keep good hygiene habits, shower and change clothes after work.

Section9:理化特性 Physical and chemical properties

外观与性状 Appearance and character	乳白透明粘稠液体 Milky white transparent viscous liquid
主要用途 Main application	主要用于通用塑料材料本体间的粘接或相互之间的粘结和固定 It is mainly used for general plastic material body bonding or mutual bonding and fixation
闪点 (°C) Flash point	> 93
沸点 (°C) Boiling point	混合物，无数据 Mixture, no data
相对密度 (水=1) Relative density (water =1)	无数据 No data
自燃性 Pyrophorosity	不可自燃 Is not spontaneous combustion

爆炸危险性 Explosion hazard	无爆炸危险 No explosion risk
溶解性 solubility	不溶于水，溶于甲苯等 Insoluble in water, soluble in toluene, etc

Section10: 稳定性和反应性 Stability and reactivity

稳定性 stability	稳定 stable
避免接触的条件 Avoid contact conditions	明火、高热、强光照 Open fire, high heat, strong light
聚合危害 Aggregating harm	光照易聚合 Light polymerizes easily
燃烧（分解）产物 Combustion (decomposition) products	一氧化碳（CO）、二氧化碳（CO ₂ ） Carbon monoxide (CO), carbon dioxide (CO ₂)
禁配物 Prohibited content	氧化剂、酸类、碱类、还原剂、过氧化物、胺类、卤素 Oxidants, acids, bases, reducing agents, peroxide, amines, halogens

Section11: 毒理学资料 Toxicological information

急性毒性 Acute toxicity	LD ₅₀ 460mg/kg（小鼠经口）， LD ₅₀ 460mg/kg（mouse oral）， LD ₅₀ 620mg/kg（大鼠经口）， LD ₅₀ 620mg/kg（rat oral）， LD ₅₀ 907mg/kg（大鼠经皮）， LD ₅₀ 907mg/kg（rat transdermal）， LC ₅₀ /4h 0.67mg/l（大鼠吸入） Lc50/4h 0.67mg/ L（rat inhalation）
亚急性和慢性中毒 Subacute and chronic poisoning	敏感皮肤长期接触可能会造成皮肤过敏，引起皮炎等。 Long-term contact with sensitive skin may cause skin allergy, dermatitis and so on
刺激性 irritating	对皮肤，眼睛，呼吸道有轻微的刺激 Mild irritation to skin, eyes and respiratory tract

致敏感性 Sensitivity	无确认数据 No confirmation data
致突变性 respectively	无确认数据 No confirmation data
致畸性 teratogenicity	无确认数据 No confirmation data
致癌性 carcinogenicity	无确认数据会有致癌及病变的危害 There is no confirmed data will be carcinogenic and pathological harm

Section12:生态学资料 Ecological data

生态毒性 ecotoxicity	对鱼类有害，对水生有机物有危害，对水源有危害 Harmful to fish, harmful to aquatic organisms, harmful to water sources
生物降解性 biodegradability	无确认数据 No confirmation data
非生物降解性 Non-biodegradable	无确认数据 No confirmation data

Section13:废弃处置 Waste disposal

废弃物性质 Waste property	有害废物 Hazardous waste
废弃处置方法 Waste disposal method	处置前参阅国家和地方有关法规，建议用控制焚烧法处理 Before disposal, refer to the relevant national and local laws and regulations, and suggest controlled incineration method for treatment
废弃注意事项 Precautions for Abandonment	防止废弃物流入水沟，不要和生活垃圾共同处理 Prevent waste into the ditch, do not deal with household garbage together

Section14:运输信息 Transportation information

危险货物编号：— Dangerous goods No. : —	UN 编号：— UN number: —
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包装标志：可燃液体 Packing mark: flammable liquid	包装类别：（II）类 Packing category : (II) class
运输注意事项 Transportation Precautions	防止日光曝晒和撞击，与氧化剂、酸类隔离储运；包装应密封；搬运时轻装轻卸，保持容器完整。 Prevent sunlight exposure and impact, and oxidizer, acid isolation storage and transportation; Packaging should be sealed; Handle with care and keep container intact.
包装方法 Packing method	黑色塑料瓶 Black plastic bottle

Section15:法规信息 Regulatory information

《危险化学品安全管理条例》（国务院令第 344 号，2002 年 3 月 15 日发布），《工作场所安全使用化学品》等法规，针对化学危险品的安全使用、生产、储存、运输、装卸等方面均作了相应的规定。

Regulations on the Safety Management of Hazardous Chemicals (Order No. 344 of The State Council, issued on March 15, 2002), Safe Use of Chemicals in Workpiece Sites and other regulations have made corresponding provisions for the safe use, production, storage, transportation, loading and unloading of dangerous chemicals.

Section16:其它信息 Other information

参考文献 reference	《新编危险物品安全手册》 北京化学工业出版社 (2001) New Safety Manual for Dangerous Goods Beijing Chemical Industry Press (2001) Rechar P.Pohanish ,Stanley A.Greene 著，中国石化集团安全工程研究院译，《有害化学品安全手册》， 中国石化出版社（2003） Rechar P.Pohanish,Stanley A.Greene, Translated by Sinopec Safety Engineering Research Institute, Hazardous Chemical Safety Manual, China Petrochemical Press (2003)
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