



MSDS

MATERIAL SAFETY DATA SHEET

样品名称&型号

Sample Description & Model

亲水型光伏纳米涂层
Hydrophilic PV Nano-coating

申请商

Applicant

东莞市盈彩新材料科技有限公司
Dongguan Yincai New Material Technology Co., Ltd.

地址

Address

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化学品安全技术说明书 MSDS

依据 GB/T16483-2008&ISO11014:2009 编制

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第一部分 化学品及企业标识

Section 1 - Chemical Product and Company Identification

化学品信息 Chemical product information			
样品名称 Sample Name	亲水型光伏纳米涂层 Hydrophilic PV Nano-coating	样品型号 Sample Model	--
收样日期 Sample Receiving Date	2026-02-02 February 2nd, 2026	产品推荐及限制用途 Sample Uses	--
单位信息 Company information			
委托单位 Applicant	东莞市盈彩新材料科技有限公司 Dongguan Yincai New Material Technology Co., Ltd.		
委托单位地址 Client address	广东省东莞市松山湖园区研发5路1号5栋711室 Room 711, Bldg 5, 1 R&D 5th Rd, Songshan Lake, Dongguan, Guangdong		
生产单位 Manufacture	东莞市盈彩新材料科技有限公司 Dongguan Yincai New Material Technology Co., Ltd.		
生产单位地址 Manufacturer address	广东省东莞市松山湖园区研发5路1号5栋711室 Room 711, Bldg 5, 1 R&D 5th Rd, Songshan Lake, Dongguan, Guangdong		
联系电话 Telephone	13713691305		
传真号码 Fax number	--		
邮政编码 Post code	--		
应急电话 Emergency telephone	17712168696		
紧急联系人 Contact Person	叶先生 Mr. Ye		
电子邮件 E-mail	reyingcai@dongguanyingcai.com		



第二部分 危险性概述 Section 2 - Hazards Identification

紧急情况概述: 无。

Emergency Summary: no.

GHS危险性类别:	无适用信息
GHS classification:	No information available
GHS标签要素:	
GHS Label elements:	
象形图:	无适用信息
Hazard Symbols:	No information available
警示词:	无适用信息
Warning word:	No information available
危害说明:	无适用信息
Hazards statements:	No information available
防范说明:	
Precautionary statements:	
预防措施:	无适用信息
Prevention:	No information available
事故响应:	无适用信息
Response:	No information available
安全贮存:	无适用信息
Storage:	No information available
废弃处置:	无适用信息
Disposal	No information available
主要症状及应急综述:	无适用信息
Main symptoms and emergency summary:	No information available



第三部分 成分/组成信息

Section 3 - Composition, Information on Ingredients

该物质或混合物的分类: 物质 混合物

Classification of the substance or mixture: substance mixture

Chemical Name 化学名称	Concentration or concentration ranges (%) 浓度或浓度范围(%)	CAS Number CAS号(化学文摘索引登记号)
水性聚氨酯	5%	9009-54-5
硅溶胶	10%	7631-86-9
钛溶胶	5%	13463-67-7
纯水	80%	7732-18-5

注: CAS: 化学文摘社Chemical Abstracts Service (Division of the American Chemical Society).

EC#: 欧洲现有商业化学品目录European Inventory of Existing Commercial Chemical Substances

“---”: 无数据No Data

第四部分 急救措施

Section 4 - First Aid Measures

总说明: 正常情况下, 不需要特别的措施。

General information: No special measures required.

吸入: 转移至新鲜空气处, 保持呼吸通畅。如呼吸困难, 给予吸氧并就医。

After inhalation: Move to an area with fresh air and keep your breathing unobstructed. If you experience breathing difficulties, administer oxygen inhalation and seek medical attention.

皮肤接触: 脱去污着衣物, 用大量的水清洗, 然后清洗双手, 衣物清洗后再使用。如果症状持续, 速就医。

After skin contact: Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs, get medical attention.

眼睛接触: 立即用大量的水冲洗眼睛, 冲洗时应不时拨开上下眼皮以便彻底冲洗眼睛。一旦症状依然存在、并无好转, 则务必送医院医治。

After eye contact: Immediately rinse your eyes with plenty of water, lifting the upper and lower eyelids from time to time to rinse your eyes thoroughly. If symptoms persist and do not improve, they must be sent to the hospital for treatment

食入: 切勿催吐, 立即漱口并饮用大量温水稀释, 若出现嗜睡、昏迷等症状, 立即送医治疗。

After swallowing: Do not induce vomiting. Immediately rinse your mouth and drink a large amount of warm water to dilute it. If symptoms such as drowsiness or unconsciousness occur, seek medical treatment immediately.



急性和迟发效应

Acute and delayed effects

主要症状：无相关详细资料。

The main symptoms: No relevant details information.

健康影响：无相关详细资料。

Health effects: No relevant details information.

对保护施救者的忠告：无相关详细资料。

To protect the rescuers advice: No relevant details information.

对医生的建议：需要及时的医疗处理及特别处理的症状，无相关详细资料。

To the doctor's advice: Need timely medical treatment and special symptoms, no relevant details information.

第五部分 消防措施

Section 5 - Fire Fighting Measures

灭火剂：用水雾、干粉、泡沫或二氧化碳灭火剂灭火。避免使用直流水灭火，直流水可能导致可燃性液体的飞溅，使火势扩散。

Suitable extinguishing agents: Extinguish the fire with water mist, dry powder, foam or carbon dioxide fire extinguishing agent. Avoid using direct water to extinguish fires. Direct water may cause flammable liquids to splash, leading to the spread of the fire.

灭火方法注意事项及防护措施：消防人员必须穿全身防火防毒服，在上风向灭火。灭火时尽可能将容器从火场移至空旷处。然后根据着火原因选择适当灭火剂灭火。

Attention extinguishing method and protective measures: Firefighters must wear full body fire and gas protective clothing and extinguish fires in the upwind direction. When extinguishing a fire, try to move the container from the fire scene to an open area as much as possible. Then select appropriate fire extinguishing agents based on the cause of the fire to extinguish it.

第六部分 泄露应急处理

Section 6 - Accidental Release Measures

作业人员防护措施、防护装备和应急处置程序：穿上保护装备，疏散人群，确保有足够的通风。

根据液体流动、蒸汽或粉尘扩散的影响区域划定警戒区，无关人员从侧风、上风向撤离至安全区。

环境保护措施：若无政府许可，勿将材料排入周围环境。

Homework personnel protective measures, protective equipment and emergency disposal procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Delimit the warning zone according to the affected area of liquid flow, steam or dust diffusion, and evacuate irrelevant personnel from the crosswind or upwind to the safety zone.

Environmental protection measures: If the government permits, do not discharge materials into the surrounding environment.

泄漏化学品的收容、清除方法及所使用的处置材料：小量泄漏：用砂土或其他不燃材料吸附或吸收，也可用大量水冲洗。



大量泄漏:在专业人士指导下, 使用适当设备和措施进行清理。

Steps to be taken in case material is spilled or released and Waste disposal method: Small amount of leakage: It can be adsorbed or absorbed by sand or other non-flammable materials, or it can be washed with a large amount of water.

Large leakage:Under the guidance of professionals, use appropriate equipment and measures to clean up.

防止次生灾害的预防措施: 有关安全处理的资料请参阅第七部分。有关个人防护装备的资料请参阅第八部分。有关弃置的资料请参阅第十三部分。

To prevent the secondary disasters prevention measures: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

第七部分 操作处置与储存

Section 7 - Handling and Storage

操作注意事项: 操作人员应经过专门培训, 严格遵守操作规程操作处置应在具备局部通风或全面通风换气设施的场所进行, 避免眼和皮肤的接触, 避免吸入蒸汽。

Precautions for safe handling: The operator shall be specially trained and strictly abide by the operating procedures. The operation and disposal shall be carried out in a place with local ventilation or comprehensive ventilation facilities to avoid contact between eyes and skin and avoid inhaling steam.

储存注意事项: 储存在一个干燥, 通风良好的环境。远离热源, 容器保持密闭。不得与有毒有害物品或其他有污染的物品混合贮存。

Conditions for safe storage, including any incompatibilities: Store in a dry and well-ventilated environment. Keep away from heat sources. The container should remain sealed. Do not mix with toxic or harmful substances or other contaminated items for storage.



第八部分 接触控制/个体防护

Section 8 - Exposure Controls, Personal Protection

本产品不含特定监管机构制定的具有职业接触限值的危险物质。

This product does not contain hazardous substances with occupational exposure limits established by specific regulatory bodies.

工程控制Engineering measures:	
局部排气通风。 确保通风良好，特别是在密闭区域。 Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas	
个体防护装备Personal protective equipment:	
眼睛/脸防护 Eye/face protection	如有必要佩戴侧护罩（或护目镜）的安全眼镜。 Wear safety glasses with side shields (or goggles) if necessary.
手部防护 Hand Protection	戴防护手套。 Wear protective gloves.
皮肤和身体防护 Skin and body	穿合适的防护服。 Suitable protective clothing.
呼吸系统防护 Respiratory protection	空气中浓度超标时，通风不足的情况下，佩戴合适的呼吸装备。 When the concentration in the air exceeds the standard and ventilation is insufficient, wear appropriate breathing equipment.
环境暴露控制Environmental exposure controls	
控制措施必须符合环境保护法规。 Control measures must comply with environmental regulations.	



第九部分 理化特性
Section 9 - Physical and Chemical Properties

有关基本物理及化学特性的信息	
外观Appearance:	液体 Liquid
颜色Color:	无色透明 Colorless and transparent
气味Odor:	无相关详细资料。 No further relevant information available
气味阈值Odor Threshold:	无相关详细资料。 No further relevant information available
pH	无相关详细资料。 No further relevant information available
比重	无相关详细资料。 No further relevant information available
熔点/凝固点Melting point/freezing point:	无相关详细资料。 No further relevant information available
沸点/沸程Boiling point/boiling range:	无相关详细资料。 No further relevant information available
闪点Flash point:	无相关详细资料。 No further relevant information available
蒸发速率Evaporation rate:	无相关详细资料。 No further relevant information available
易燃性（固体、气体）Flammability (solid, gas):	无相关详细资料。 No further relevant information available
爆炸限值Explosion limits 下限Lower: 上限Upper:	无相关详细资料。 No further relevant information available
蒸气压Vapor Pressure:	无相关详细资料。 No further relevant information available
蒸气密度Vapor density:	无相关详细资料。 No further relevant information available



第十部分 稳定性和反应活性 Section 10 - Stability and Reactivity

稳定性: 正常情况下稳定。

Chemical stability: Stable in normal circumstances.

危险反应: 无资料。

Possibility of hazardous reactions: Data not available.

应避免条件: 静电放电、热、潮湿等。

Conditions to Avoid: Electrostatic discharge, heat, humidity, etc.

禁配物: 无资料。

Incompatibilities: Data not available.

危险的分解产物: 无资料。

Hazardous Combustible Products: Data not available.

第十一部分毒理学资料 Section 11 - Toxicological Information

对毒理学影响的信息

Information on toxicological effects

急性毒性: 无相关详细资料。

Acute toxicity: No further relevant information available.

皮肤刺激/腐蚀: 无相关详细资料。

Skin irritation/corrosion: No further relevant information available.

眼睛刺激/腐蚀: 无相关详细资料。

Eyes stimulus/corrosion: No further relevant information available.

呼吸或皮肤过敏: 无相关详细资料。

Breathing or skin irritation: No further relevant information available.

生殖细胞突变性: 无相关详细资料。

Germ cell respectively: No further relevant information available.

致癌性: 无相关详细资料。

Carcinogenicity: No further relevant information available.

生殖毒性: 无相关详细资料。

Reproductive toxicity: No further relevant information available.

特异性靶器官系统毒性——一次性接触: 无相关详细资料。

Specific target organ system toxicity disposable contact: No further relevant information available.

特异性靶器官系统毒性——反复接触: 无相关详细资料。

Specific target organ system toxicity, repeated contact: No further relevant information available.

吸入危害: 在正常情况下使用不会有吸入危险。

Inhalation hazard: There is no risk of inhalation when used under normal conditions.



潜在的有害效应：无相关详细资料。

Potentially harmful effects: No further relevant information available.

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

生态毒性

Ecological toxicity

水生毒性：无相关详细资料。

Aquatic toxicity: No further relevant information available.

持久性和降解性：无相关详细资料。

Persistence and degradability: No further relevant information available.

环境系统习性

Behaviour in environmental systems

潜在的生物累积性：无相关详细资料。

Bioaccumulative potential: No further relevant information available.

土壤内移动性：无相关详细资料。

Mobility in soil: No further relevant information available.

生态学资料

Ecological effects

额外的生态学资料：无相关详细资料。

Additional ecological information :No further relevant information available.

总括注解：若无政府许可，勿将材料排入周围环境。

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

其他副作用：无相关详细资料。

Other adverse effects: No further relevant information available.

第十三部分 废弃处置 Section 13 - Disposal Considerations

废弃处置方法建议：请参考国家和地方的相关法规正确进行处理。

Waste treatment methods and Recommendation: Consult state, local or national regulations to ensure proper disposal.

受污染的容器和包装建议：必须根据官方的规章来丢弃。

Uncleaned packaging and Recommendation: Disposal must be made according to official regulations.



第十四部分 运输信息 Section 14 - Transport Information

	IATA	IMDG
联合国危险货物编号 United Nations dangerous Goods number	无相关详细资料。No further relevant information available	无相关详细资料。No further relevant information available
UN 运输专用名称 UN Transport name	无相关详细资料。No further relevant information available	无相关详细资料。No further relevant information available
运输危险等级 Transport hazard class	无相关详细资料。No further relevant information available	无相关详细资料。No further relevant information available
包装组别 Packing group	无相关详细资料。No further relevant information available	无相关详细资料。No further relevant information available
海运污染物质 Marine pollutant	无相关详细资料。No further relevant information available	

注：IATA：国际空运联合会；IMDG：国际海运危险货物

运输信息 Transportation information: 无信息 No further relevant information available.

运输方式 Mode of transport: 无信息 No further relevant information available.

第十五部分法规信息 Section 15 - Regulatory Information

此 MSDS 符合法规 (EC) No. 1907/2006.

This Material Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006.

下列法律、法规、规章和标准对该物质或混合物的管理做了相应的规定：

The following laws, regulations, rules and standards of the substance or mixture of management to do the corresponding provisions:

- 《危险品规则》
- 《 Dangerous Goods Regulations》
- 《国际海运危险货物规则》
- 《International Maritime Dangerous Goods》
- 《联合国危险品货物运输规章范本》
- 《United Nations Recommendations on the Transport of Dangerous Goods Regulations》
- 《危险品货物分类和品名编号》
- 《Classification and code of Dangerous Goods》
- 《职业安全卫生法》
- 《Occupational Safety and Health Act》 (OSHA)
- 《毒性物质控制法》
- 《 Toxic Substance Control Act》 (TSCA)



《附加基金修正复审法 III (302/311/312/313)》

《Superfund Amendments and Reauthorization Act Title III (302/311/312/313)》

参照联合国，国家，地方性法规。

In according with United Nations, country, and local laws.

- 注：EINECS：欧盟现有化学物质名录（European Inventory of Existing Chemical Substances）
ELINCS：欧洲已申报化学物质名录（European List of Notified Chemical Substances） DSL：
DSL：加拿大国内化学物质名录（Canadian Domestic Chemical Substances）
IECSC：中国现有化学物质名录（Inventory of Existing Chemical Substances in China）
NDSL：加拿大非国内化学物质名（Canadian non-domestic Chemical Substances）
NLP：欧盟不被认为是聚合物的名录（The European Union is not considered a list of polymers）
TSCA：美国TSCA物质名录（Toxic Substances Control Act of USA）

第十六部分 其他信息

Section 16 - Additional Information

注意：

上述信息是基于现有的数据信息，在实际应用过程中可能出现其他未预料的情况，其相应信息可能需要修改，我方不承担此项责任。在操作请根据实际情况作出相应的正确的处置。

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.

-----End of Report-----