

化学品安全技术说明书

SAFETY DATA SHEET

1. 化学品及企业标识

IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

产品名称 Product Name:

被动式辐射制冷涂层/ Passive Radiative Cooling Paint

白色顶漆, 白色底漆 / White Top Coat, White Bottom Coat

产品用途 Intended Use:

室外用水性反射涂料 Water-Based Reflective Exterior Paint

供应商 Manufacturer:

深圳市创冷科技有限公司 I2Cool Shenzhen Limited

地址 Address:

深圳市福田区福保街道福保社区桃花路与槟榔道交汇处西北深九科技创业园 3 号楼 903 Room 903,
Building 3, Northwest Shenjiu Technology Pioneer Park, at the intersection of Taohua Road and
Betellang Road, Fubao Community, Fubao Street, Futian District, Shenzhen

电话 Telephone:

传真 Fax:

生产商 Factory:

广州励宝新材料科技有限公司 Guangzhou Lapo Material Innovation Co., Ltd.

地址 Address:

广州市番禺区石基镇文边村文坑路北

North side of Wenkeng Road, Wenbian Village, Shiji Town, Panyu District, Guangzhou City

电话 Telephone: 020-66604998

传真 Fax: 020-66847868

电子邮件 E-mail: info@i2coolhk.com

应急电话 Emergency Phone Number:

2. 危险性概

HAZARDS IDENTIFICATION

GHS 分级分类 GHS Classification:

<u>物理危险</u> Physical Hazard	按照 GHS 标准，未被归类为有害物质。 Not classified as a physical hazard under GHS criteria
<u>健康危险</u> Health Hazard	按照 GHS 标准，未被归类为有害物质。 Not classified as a health hazard under GHS criteria
<u>环境危险</u> Environmental Hazard	按照 GHS 标准，未被归类为有害物质。 Not classified as an environmental hazard under GHS criteria
<u>GHS 标签要素符号</u> GHS Pictogram	无符号 None
<u>警示词</u> Signal Word	无警示词 None
<u>危害说明</u> Hazard statements	无 None
<u>预防措施说明</u> Precautionary statements	无预防用语 None
<u>事故响应</u> Response	无预防用语 None
<u>贮存</u> Storage	无预防用语 None
<u>废弃处置</u> Disposal	无预防用语 None

3. 成分/组成信息

COMPOSITION / INFORMATION ON INGREDIENTS

物质/混合物: Substance/Mixtures:	丙烯酸酯合成乳液、二氧化钛 Acrylic synthetic emulsion,Titanium Dioxide
备注：该产品不含任何对物理、健康、环境有害的物质。 Remark: The products do not contain any substances presenting to physical, health or environmental hazard.	

4. 急救措施

FIRST-AID MEASURES

吸入

INHALATION

将人员转移到空气新鲜处并立即寻求医疗协助；

Move person to fresh air and call for medical assistance immediately.

如果没有呼吸，请进行人工呼吸，如果呼吸困难，请提供氧气并保持休息。

If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Keep at rest.

接触皮肤

SKIN CONTACT

一旦接触皮肤，请立即用大量清水及肥皂冲洗，并同时除去受污染的衣物及鞋服；

In case of contact, immediately flush skin with large amounts of water and soap while removing contaminated clothing and shoes.

如仍有不适，请及时寻求医疗协助。

If irritation persists, get medical attention.

接触眼睛

EYE CONTACT

请立即用大量清水冲洗眼睛，直至刺激缓解；

Immediately flush eyes with large amounts of water until irritation subsides.

请摘下隐形眼睛；

Remove contact lens.

请立即寻求眼科医生的医疗协助。

Obtain medical attention, preferably by an ophthalmologist, immediately.

吞食

INGESTION

除非在医务人员的专业指示下，否则请勿催吐。请勿给失去知觉的人员喂食任何东西。请保持休息并立即就医。

DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Keep at rest. Get medical attention immediately.

5. 消防措施

FIRE FIGHTING MEASURE

适当的灭火介质

SUITABLE FIRE EXTINGUISHING MEDIA

抗醇泡沫、二氧化碳或干粉类物质。

Alcohol - resistant foam, Carbon dioxide, or dry chemical type.

特定的危害物

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

燃烧产物包含但不限于：一氧化碳及二氧化碳。

Combustion products may include and are not limited to: Carbon monoxide and Carbon dioxide.

消防人员的特殊保护设备

SPECIAL PROTECTIVE ACTIONS FOR FIRE FIGHTERS

穿戴全套防护服和 NIOSH 批准的自给式呼吸器。

Wear full protective clothing and NIOSH - approved self - contained breathing apparatus.

使用喷水冷却火源暴露的表面以保护人员。

Use water spray to cool fire - exposed surfaces and to protect personnel.

如果泄漏或溢出物未被点燃，请使用喷水驱散蒸汽。如果可以请将产品与热源、电气设备、火花和明火隔离。

If a leak or spill has not ignited, use water spray to disperse the vapours. If possible, isolate product from heat, electrical equipments, sparks and open flames.

避免将水直接喷入储存容器中。

Avoid spraying water directly into storage containers.

密闭容器在极热环境下可能会爆炸。

Closed containers may explode when exposed to extreme heat.

避免将燃烧的液体用水泼洒，隔离液体。

Avoid spreading burning liquid with water, isolate liquid.

切勿让消防径流进入排水沟或水道。

Do not allow runoff from fire fighting to enter drains or watercourses.

6. 泄漏应急处理

ACCIDENTAL RELEASE MEASURES

个人防范，保护装备及紧急措施

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE

穿戴适当的防护装备，例如：呼吸器、护目镜、手套和安全鞋。

Wear appropriate protective equipment, e.g. respirators, eye protection, gloves and safety shoes.

避免物质接触眼睛。不要吸入其气化物。

Avoid substance contact with eyes. Do not inhale vapours.

确保封闭房间内有新鲜流通的空气。

Ensure supply of fresh air in enclosed rooms.

环保防范

ENVIRONMENTAL PRECAUTIONS

远离火源。

Eliminate sources of ignition.

保持远离人群。

Keep public away.

用沙子或其他不燃的物料来止住溢出的液体。

Contain spilled liquid with sand or other non-combustible absorbent materials.

清洗受影响区域并防止径流流入下水道及下水道系统。

Wash area and prevent runoff into drains and sewerage system.

如物质进入水道或下水道或污染土壤或植被，请告知当局。

Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

容器装置及清理方法

METHODS AND MATERIALS FOR CONTAINMENTS AND CLEANING UP

及时清理溢出物。

Clean up all spills immediately.

用吸收性和惰性材料吸收溢出物，然后放入容器中。

Absorb spill with absorbent and inert material, then place in container.

按照当地/国家法规进行处理。

Disposal in accordance with local/national regulations.

7. 操作处置与储存

HANDLING AND STORAGE

安全操作防范措施

PRECAUTIONS FOR SAFE HANDLING

使用适当的个人防护设备。

Use appropriate personal protective equipment.

放在儿童接触不到的地方。

Keep out of reach of children.

小心处理容器，须缓慢打开以控制可能的压力释放。

Handle containers with care. Open slowly in order to control possible pressure release.

切勿加压容器。

Do not pressurize containers.

切勿摄入体内，切勿吸入其气体/烟雾/蒸汽，避免与皮肤和眼睛接触。

Do not ingest. Do not breathe in gas/fumes/vapour. Avoid contact with skin and eyes.

有关个人保护，请参阅第 8 节。

For personal protection, see section 8.

务必确认在远离所有明火及其他火源的环境下使用。

Use only in areas from which all naked lights and other sources of ignition have been excluded.

采取前置措施防止静电。

Take precautionary measures against static discharge.

请勿置于霜冻和极端温度下。

Protect from frost and extremes of temperature.

包含不兼容情况的安全贮存条件

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

保持容器密闭。

Keep containers tightly closed.

已打开的容器应正确地重新密封并保持直立以防止泄漏。

Containers that are opened should be properly resealed and kept upright to prevent leakage.

请贮存在凉爽、干燥和通风良好的地方，温度在 20°C 至 40°C 之间，远离热源和火源。

Store in cool, dry and well - ventilated place at temperature between 20°C to 40°C away from heat and sources of ignition.

8. 接触控制及个体防护

EXPOSURE CONTROLS / PERSONAL PROTECTION

控制参数及职业限制

CONTROL PARAMETERS/OCCUPATIONAL LIMITS

- 无数据可供参考

No data available

适当的工程控制措施

APPROPRIATE ENGINEERING CONTROL MEASURES

- 提供排气通风或其他工程控制，以便空气中的蒸气浓度保持在其各自的职业暴露限值以下。

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.

- 确保洗眼台和安全淋浴器靠近工作站位置。

Ensure eyewash stations and safety showers are close to the workstation location.

个体防护

PERSONAL PROTECTION

- 呼吸防护：建议使用经 NIOSH 批准的带有有机蒸气滤芯的呼吸器。

Respiratory Protection: Use of NIOSH - approved respirators with organic vapour cartridges is recommended.

- 手部防护：建议使用耐溶剂型或耐化学性的防护手套。

Hand Protection: Use of solvent resistance type or chemical resistant type of protective gloves is recommended.

- 眼睛防护：建议使用带有侧护罩的安全眼镜或护目镜。

Eye Protection: Use of safety glasses or goggles with side shields is recommended.

- 皮肤/身体防护：处理产品时穿防化学品衣服和安全鞋。

Skin / Body Protection: Wear chemical resistant clothes and safety shoes when handling product.

9. 理化特性

PHYSICAL AND CHEMICAL PROPERTIES

外观与性状 Appearance	白色粘稠液体 White viscous Liquid
气味 Odour	轻微的油漆气味 Mild paint odour
PH 值	8~10
熔点/凝固点 Melting point/freezing point	<0℃
沸点、初始沸点和沸腾 Boiling Point, initial boiling point, boiling	100
闪点 Flash Point	不适用 Not applicable
燃烧上下极限或爆炸极限 LFL, UFL, LEL, UEL	无资料 Not available
蒸气压 Vapor pressure	无资料 Not available
蒸气密度 Vapor density	无资料 Not available
密度/相对密度 Density/Relative density	无资料 Not available
溶解性 Solubility	溶于水 Miscible in water
n-辛醇／水分配系数 n-octanol/water partition coefficient	无资料 Not available
自燃温度 Auto-ignition temperature	不适用（水基） Not applicable (water based)
分解温度 decomposition temperature	无资料 Not available

10. 稳定性及反应性

STABILITY AND REACTIVITY

反应性

REACTIVITY

在正常使用条件下没有已知的危险反应。

No dangerous reaction known under condition of normal use.

化学稳定性

CHEMICAL STABILITY

产品在建议的储存和处理条件下是稳定的。（见第 7 节）

The product is stable under recommended storage and handling conditions. (see section 7)

危险反应的可能性

POSSIBILITY OF HAZARDOUS REACTION

在正常储存和使用条件下，不会发生危险反应。

Under normal conditions of storage and use, hazardous reaction will not occur.

须避免的情况

CONDITIONS TO AVOID

远离氧化剂、强碱性和强酸性物质以避免放热反应。避免所有可能的火源（火花或火焰）。不要加压、切割、焊接、铜焊、钻孔、研磨或将容器暴露于热源或火源。

Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions. Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, drill, grind or expose containers to heat or sources of ignition.

危险的分解产物

HAZARDOUS DECOMPOSITION PRODUCTS

暴露在高温下可能会产生有害的分解产物，例如一氧化碳、二氧化碳、氮氧化物和烟雾。

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

11. 毒理学信息

TOXICOLOGICAL INFORMATION

急性毒性 Acute toxicity	无可数 No data available
皮肤刺激或腐蚀 Skin irritation or corrosion	无可数 No data available
眼睛 Eyes	无可数 No data available
呼吸 Breathing	无可数 No data available
生殖细胞突变性 Germline mutation	无可数 No data available
致癌性 Carcinogenicity	无可数 No data available
生殖毒性 Reproductive toxicity	无可数 No data available
特异性靶器官系统毒性-一次接触 Specific target organ toxicity - single exposure	无可数 No data available
特异性靶器官系统毒性-反复接触 Specific target organ toxicity - repeated exposure	无可数 No data available
吸入危害 Inhalation hazard	无可数 No data available

12. 生态学信息

ECOLOGICAL INFORMATION

生态毒性 Ecotoxicity	无可数 No data available
持久性和降解性 Persistence and Degradability	无可数 No data available
潜在的生物累积性 Potential bioaccumulation	无可数 No data available
土壤中的迁移性 Mobility in soil	无可数 No data available

13. 废气处置

DISPOSAL CONSIDERATIONS

处置方法：依照当地法规，利用授权中心处置废化学品。

Disposal method： Utilize authorized centres for disposal of waste chemical in accordance with local regulations.

应尽可能避免或减少废物的产生。产品、溶液和其副产品的处置应符合环境保护、废弃物处理法规和当地相关法规的要求。经由特许的废弃物处理合同商处理剩余物与非再生产品。废物不应未经处置就排入下水道，除非完全符合所有管辖权内主管机构的要求。包装废弃物应回收。 仅在回收利用不可行时，才考虑焚烧或填埋。采用安全的方法处理本品及其容器。 操作处置没有清洁或冲洗的空容器时，应小心处理。空的容器或内衬可能保留一些产品的残余物。避免溢出物扩散和流走，避免溢出物接触进入土壤、河流、下水道和污水管道。

The generation of waste should be avoided or minimized as much as possible. Disposal of products, solutions and their by-products shall comply with environmental protection, waste disposal regulations and relevant local regulations. Dispose of leftovers and non-recycled products through licensed waste disposal contractors. Waste should not be discharged into sewers without disposal unless the requirements of the competent authorities in all jurisdictions are fully complied with. Packaging waste should be recycled. Only consider incineration or landfill if recycling is not feasible. Dispose of this product and its container in a

safe manner. Care should be taken when handling empty containers that have not been cleaned or rinsed. Empty containers or liners may retain some product residue. Avoid spillage spreading and running away, and avoid spillage contact entering soil, rivers, sewers and sewage pipes.

14. 运输信息

TRANSPORT INFORMATION

联合国危险货物编号（UN 号） UN Number	不受管制 Not regulated
联合国运输名称 UN shipping name	不适用 Not applicable
联合国危险性分类 UN Hazard Classification	不适用 Not applicable
包装类别（如有可能） Package classification:	不适用 Not applicable
海洋污染（是/否） Marine pollution (y/n)	否 No
运输注意事项 Transportation precautions	在用户场地内运输时： 运输时始终采用密封的容器并保持直立固定。 应确定运输人员明白在发生事故或发生泄漏时应采取的措施。 When transporting within the user site: Always transport in airtight containers and keep them upright. Make sure the transporter understands what to do in the event of an accident or spill.
其他信息 Other Information	请小心处理，避免容器损坏， 远离阳光直射。 Handle with care. Avoid damage of container. Keep away from direct sunlight.

15. 法规信息

REGULATORY INFORMATION

国家法规 化学危险物品安全管理条例（1987 年 2 月 17 日发布）管理危险化学品的生产、使用、储存、运输和处理。

National regulation: 化學危險物品安全管理條例 (Issued by State Council on 17 Feb 1987) governs the production, application, storage, transportation and handling of dangerous chemicals.

其他规定：不适用

Other regulation: Not available

16. 其他信息

OTHER INFORMATION

发行日期：2022/03/22

Date of preparation: 022/03/22

版本：化学品安全技术说明书（第一版）

Version: SAFETY DATA SHEET (Version 1)