

安全技术说明书 MSDS

Safety Data Sheet MSDS

氧化锡锑

Indium Tin Oxide

编号:DXN2025MSDS

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1. 产品名称和制造商信息

Product name and manufacturer information

产品中文名称: 氧化锡锑 Product Chinese name: Antimony tin oxide

产品英文名称: Antimony tin oxide

Product English name: Antimony tin oxide

CAS No.: 128221-48-7

型号 Model: DXN-ST50S.

分子式: $\text{O}_5\text{Sb}_2\text{Sn}$

Molecular formula: $\text{O}_5\text{Sb}_2\text{Sn}$

分子量: 442.23

Molecular weight: 442.23

供应商: 达西浓纳米科技(常州)有限公司

Supplier: DASHINO NANO TECHNOLOGY (CHANG ZHOU) CO., LTD.

生产厂商: 山东科纳达新材料科技有限公司

Manufacturer: Shandong Konada New Material Technology Co., Ltd.

地址: 常州市新北区辽河路 901 号新科创大楼 A 座第四层 410 号

Address: Room 410, 4th Floor, Building A, New Science and Technology Innovation Building, No. 901 Liaohe Road, Xinbei District, Changzhou

电话/传真: +86-0519-85558068

Tel/Fax: +86-0519-85558068
紧急联系电话: +86-0519-85558068
Emergency contact number: +86-0519-85558068

2.成分/组成信息
Composition/ingredient information

描述: 物质成分配比
Description: Material composition ratio

物质成分名称 Name of material component	比重 (%) proportion (%)	用途 Use
氧化锡锑 Antimony tin oxide	50%	用于防静电与隔热涂料、柔性电子太阳能电池透明电极、纳米复合透明红外吸收涂层、热反射镜与电磁屏蔽、导电纤维、塑料添加剂与隔热母粒等。
水 Water	50%	

3.危险性概述
Hazards Identification

危险类别 (GHS): 非危险物质或混合物。
Hazard Class (GHS): Not a hazardous substance or mixture.

4.急救措施
First aid measures

皮肤接触: 脱去污染的衣着, 用肥皂水和清水彻底冲洗皮肤。如有不适感, 就医。
Skin contact: Remove contaminated clothing and rinse skin thoroughly with soap and water. Seek medical attention if you feel unwell.

眼睛接触: 分开眼睑, 用流动清水或生理盐水冲洗。立即就医。
Eye contact: Open the eyelids and rinse with running water or saline. Seek medical attention immediately.

吸入: 如果吸入, 请将患者移到新鲜空气处。
Inhalation: If inhaled, move victim to fresh air.

食入: 漱口, 禁止催吐。立即就医。
Ingestion: Rinse mouth and do not induce vomiting. Seek medical attention immediately.

5.消防措施

Fire-fighting measures

灭火方法及灭火剂: 消防人员必须穿全身防火防毒服, 在上风向灭火。不燃。火场周围可用的灭火介质。用水雾, 抗乙醇泡沫, 干粉或二氧化碳灭火。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。

Fire extinguishing methods and extinguishing agents: Firefighters must wear full-body fireproof and anti-gas suits and extinguish fires in the upwind direction. Non-flammable. Available extinguishing media around the fire scene. Use water spray, alcohol-resistant foam, dry powder or carbon dioxide to extinguish fire. Avoid using direct water to extinguish fire, as direct water may cause flammable liquid to splash and spread the fire.

6.泄露应急处理

Leakage emergency treatment

人员防护措施、防护装备和应急处置程序: 避免粉尘生成。避免吸入蒸气、气雾或气体。建议应急处理人员戴携气式呼吸器, 穿防静电服, 戴橡胶耐油手套。禁止接触或跨越泄漏物。作业时使用的所有设备应接地。尽可能切断泄漏源。消除所有点火源。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。

Personal protection measures, protective equipment and emergency procedures: Avoid dust generation. Avoid inhalation of vapor, mist or gas. It is recommended that emergency response personnel wear air-contained respirators, anti-static clothing, and rubber oil-resistant gloves. Do not touch or cross the leak. All equipment used during operation should be grounded. Cut off the source of leakage as much as possible. Eliminate all ignition sources. Delineate warning areas according to the affected areas of liquid flow, vapor or dust diffusion, and evacuate irrelevant personnel from the sidewind and upwind directions to safe areas.

环境保护措施: 如能确保安全, 可采取措施防止进一步的泄漏或溢出。不要让产品进入下水道。

Environmental protection measures: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

泄漏化学品的收集、清除方法及所使用的处置材料: 扫掉和铲掉。放入合适的封闭的容器中待处理。

Collection and removal methods of leaked chemicals and disposal materials used: Sweep and shovel. Place in a suitable closed container for disposal.

7.操作处置和储存

Handling and storage

操作注意事项：在有粉尘生成的地方,提供合适的排风设备。

Operation precautions: Where dust is generated, provide appropriate exhaust equipment.

储存注意事项：贮存在阴凉处。使容器保持密闭，储存在干燥通风处。

Storage precautions:Store in a cool place. Keep the container tightly closed in a dry and ventilated place.

8.接触控制和个体防护

Exposure controls and personal protection

工程控制：密闭操作，局部排风。

Engineering control: Closed operation, local exhaust.

呼吸系统防护：作业工人建议佩戴防尘口罩。

Respiratory system protection: Workers are recommended to wear dust masks.

眼睛防护：戴化学安全防护眼镜。

Eye protection: Wear chemical safety glasses.

身体防护：防护服。

Body protection: Protective clothing.

手防护：配戴防护手套。

Hand protection: Wear protective gloves.

其他防护：及时换洗工作服。注意个人清洁卫生。

Other protection: Change and wash work clothes in time. Pay attention to personal hygiene.

9.理化特性

Physical and chemical properties

颜色 Color	蓝色 Blue
状态 State	液体 Liquid
气味 Odor	无味 Odorless
PH 值 ph value	4-6
比例 proportion	氧化锡：氧化锑=90：10

10.稳定性和反应性

Stability and reactivity

有害分解产物: 在着火情况下, 会分解生成有害物质。

Hazardous decomposition products: In the event of fire, it will decompose into harmful substances.

禁配物: 强氧化剂, 钾, 强酸, 铝, 钠/氧化钠, 镁。

Incompatible materials: Strong oxidizing agents, Potassium, Strong acids, Aluminum, Sodium/sodium oxide, Magnesium.

11.毒理学资料

Toxicology Information

致癌性 IARC: 此产品中沒有大于或等于 0.1%含量的组分被 IARC 鉴别为可能的或肯定的人类致癌物。

Carcinogenicity IARC: No component of this product, at levels greater than or equal to 0.1%, has been identified by IARC as a possible or confirmed human carcinogen.

12.生态学资料

Ecological information

生态有害性: 无资料

Ecological harm: No information

13.废弃处置

Waste disposal

废弃处置方法: 尽可能回收利用。如果不能回收利用, 采用焚烧方法进行处置。不得采用排放到下水道的方式废弃处置本品。将容器返还生产商或按照国家和地方法规处置。废弃处置前应参阅国家和地方有关法规。

Waste disposal method: Recycle if possible. If recycling is not possible, dispose of by incineration. Do not dispose of this product by discharge into a sewer. Return container to manufacturer or dispose in accordance with national and local regulations. Consult national and local regulations before disposal.

14.运输信息

Transport information

运输品名：氧化锡锑

Transport name: Antimony tin oxide

危险品分类：普货。

Dangerous goods classification: General goods.

运输注意事项：储存于阴凉、通风仓间内。远离火种、热源。保持容器密封，应与氧化剂、食用化工原料分开存放。搬运时要轻装轻卸，防止包装及容器损坏。分装和搬运作业要注意个人防护。

Transport precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat sources. Keep the container sealed and store it separately from oxidants and edible chemical raw materials. Load and unload gently during transportation to prevent damage to the packaging and container. Pay attention to personal protection during packaging and transportation.

15.法规信息

Regulatory Information

适用法规：中华人民共和国安全生产法；

中华人民共和国职业病防治法；

中华人民共和国环境保护法；

危险化学品安全管理条例；

安全生产许可证条例。

Applicable regulations: Production Safety Law of the People's Republic of China; Occupational Disease Prevention and Control Law of the People's Republic of China;

Environmental Protection Law of the People's Republic of China;

Regulations on the Safety Management of Hazardous Chemicals;

Regulations on Production Safety Permits.

16.其他信息

Other information

制表单位：达西浓纳米科技（常州）有限公司

Tabulation units: DASHINOU NANO TECHNOLOGY (CHANG ZHOU) CO., LTD.

联系电话：+86-0519-85558068

Contact number: +86-0519-85558068

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— 达西浓纳米 —

