

安全技术说明书 MSDS

Safety Data Sheet MSDS

二氧化钛

Titanium Dioxide

编号:DXN2024MSDS

初始版: DXN2018.11.1 版

修订日期: 2024 年 8 月 1 日

1. 产品名称和制造商信息

Product name and manufacturer information

产品中文名称: 二氧化钛

Product Chinese name: Titanium Dioxide

产品英文名称: Titanium Dioxide

Product English name: Titanium Dioxide

CAS No.: 1317-80-2

型号 Model: DXN-RT30, DXN-RT50, DXN-RT50S, DXN-TB50, DXN-TC20, DXN-TC20S, DXN-TC50, DXN-TC200.

分子式: O_2Ti

Molecular formula: O_2Ti

分子量: 79.93

Molecular weight: 79.93

供应商: 达西浓纳米科技(常州)有限公司

Supplier: DASHINOU 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.

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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
二氧化钛 Titanium Dioxide	99%	化妆品, 抗菌, 催化, 功能纤维, 涂料, 油漆, 电池等 Cosmetic, antibacterial, catalytic, functional fibers, coatings, paints, batteries, etc

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: 用肥皂和大量的水冲洗。

Skin contact: Wash with soap and plenty of water.

眼睛接触: 用水冲洗眼睛作为预防措施。

Eye contact: Flush eyes with water as a precaution.

吸入: 如果吸入, 请将患者移到新鲜空气处。 如果停止了呼吸, 给于人工呼吸。

Inhalation: If inhaled, move victim to fresh air. If not breathing, give artificial respiration.

食入: 切勿给失去知觉者从嘴里喂食任何东西。 用水漱口。

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with

water.

5. 消防措施

Fire-fighting measures

危险特性: 钛/氧化钛, 不可燃。

Hazardous characteristics: Titanium/titanium oxide, non-flammable.

灭火方法及灭火剂: 用水雾, 耐醇泡沫, 干粉或二氧化碳灭火。

Fire extinguishing methods and extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish fires.

6. 泄露应急处理

Leakage emergency treatment

人员的预防, 防护设备和紧急处理程序: 防止粉尘的生成。防止吸入蒸汽、气雾或气体。

Personal precautions, protective equipment and emergency procedures: Prevent dust formation. Prevent inhalation of vapors, mists or gases.

环境预防措施: 不要让产物进入下水道。

Environmental precautions: Do not allow product to enter drains.

抑制和清除溢出物的方法和材料: 扫掉和铲掉。存放在合适的封闭的处理容器内。

Methods and materials for containment and cleanup: Sweep up and shovel. Store in suitable closed disposal containers.

7. 操作处置和储存

Handling and storage

安全操作的注意事项: 在有粉尘生成的地方, 提供合适的排风设备。

Precautions for safe handling: Provide suitable exhaust equipment where dust is generated.

安全储存的条件, 包括任何不兼容性: 贮存在阴凉处。容器保持紧闭, 储存在干燥通风处。

Conditions for safe storage, including any incompatibilities: 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

控制参数:最高容许浓度没有已知的国家规定的暴露极限。
Control parameters: Maximum permitted concentration There are no known national exposure limits.

工程控制: 常规的工业卫生操作。
Engineering control:General industrial hygiene practices.

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	白色 White
状态 State	粉末 Powder
气味 Odor	无味 Odorless
溶解度 Solubility	不溶于水 Insoluble in water
相对密度 Relative density	4.26g/cm3
熔点 Melting point	1855℃

10.稳定性和反应性

Stability and reactivity

不兼容的材料: 强酸
Incompatible Materials: Strong Acids

11.毒理学资料

Toxicology Information

急性毒性: 无资料

Acute toxicity: No data available

12.生态学资料

Ecological information

生态有害性: 无资料

Ecological harm: No data available

13.废弃处置

Waste disposal

废弃处置方法: 将剩余的和未回收的溶液交给处理公司。污染了的包装物，作为未用过的产品弃置。

Waste disposal method: Hand over any remaining and unrecovered solution to a disposal company. Discard any contaminated packaging as unused product.

14.运输信息

Transport information

运输品名: 二氧化钛

Transport name: Titanium Dioxide

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

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