

安全技术说明书 MSDS

Safety Data Sheet MSDS

氧化铈

Cerium Oxide

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: 氧化铈 Product Chinese name: Cerium Oxide

产品英文名称: Cerium Oxide

Product English name: Cerium Oxide

CAS No.: 1306-38-3

型号 Model: DXN-CEY30S.

分子式: CeO₂

Molecular formula: CeO₂

分子量: 172.11

Molecular weight: 172.11

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
氧化铈 Cerium Oxide	30%	用作玻璃工业添加剂、玻璃研磨抛光材料等 Used as glass industry additives, glass grinding and polishing materials, etc.
乙醇 Ethanol	70%	

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: 皮肤接触下: 立即移除所有受污染的衣物。 用水冲洗皮肤/淋浴。
Skin contact: Under skin contact: Immediately remove all contaminated clothing. Rinse skin with water/shower.

眼睛接触: 用水冲洗眼睛作为预防措施。
Eye contact: Rinse eyes with water as a precautionary measure.

吸入: 请将患者移到新鲜空气处, 如呼吸停止, 进行人工呼吸。
Inhalation: Move the patient to fresh air, and if breathing stops, give rescue breaths.

食入: 立即让伤者饮水(最多 2 杯)。如感不适就医治疗。
Ingestion: Immediately let the injured person drink water (up to 2 cups). If feeling unwell, seek medical treatment.

5.消防措施

Fire-fighting measures

灭火方法及灭火剂：用水雾，抗乙醇泡沫，干粉或二氧化碳灭火。

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

给消防员的建议：如必要的话，戴自给式呼吸器去救火。

Advice for firefighters: Wear a self-contained breathing apparatus to fight a fire if necessary.

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	微黄色Slightly yellow
状态 State	液体Liquid
气味 Odor	刺激性气味 Pungent odor
沸点 Boiling point	78. 32℃
熔点 Melting point	-117. 3℃

10.稳定性和反应性

Stability and reactivity

禁配物:强氧化剂
Incompatible materials: Strong oxidizing agents.

11.毒理学资料

Toxicology Information

急性毒性: 无数据资料。

Acute toxicity: No data.

潜在影响: 无数据。

Potential Effects: No data.

12.生态学资料

Ecological information

生态毒性: 无数据。

Ecotoxicity: No data.

13.废弃处置

Waste disposal

废弃处置方法: 废料的排放必须符合国家及当地法规的规范。废弃化学品请保留于原容器中, 勿与其他废弃物混和。依照处理产品的相同标准处理不洁的容器。产品必需按照国家法规的规定丢弃或导入设计好的回收系统。

Waste disposal method: The discharge of waste must comply with national and local regulations. Please keep waste chemicals in their original containers and do not mix them with other waste materials. Dispose of unclean containers according to the same standards as handling products. The product must be discarded or imported into a designed recycling system in accordance with national regulations.

14.运输信息

Transport information

运输品名: 氧化铈

Transport name: Cerium 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

专门对此物质或混合物的安全,健康和环境的规章/法规

职业安全卫生法

职业安全卫生设施规则

废弃物清理法

事业废弃物贮存清除处理方法及设施标准

Safety, health and environmental regulations/legislation specific to the substance or mixture:

Occupational Safety and Health Law

Occupational safety and health facilities rules

Waste Disposal Act

Methods and facility standards for storage, removal and treatment of industrial waste

16.其他信息

Other information

制表单位: 达西浓纳米科技(常州)有限公司

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Modification instructions: Prepared based on the latest information available to us, the information provided is only a reference for safe operation, use, processing, storage, transportation, disposal and discharge and cannot be used as a guarantee. The information in the table is intended only to specify the specific substance and does not apply to substances combined with any other

substances or processed. Users should make judgments on the rationality of relevant information based on the purpose of use.



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