



CHUNTAI

Suzhou Chuntai New Materials Co., Ltd.
苏州淳泰新材料有限公司

SAFETY DATA SHEET

化学品安全技术说明书 (SDS)

Product: Titanium Dioxide

产品: 钛白粉

Issue date: July 2026

生效日期: 2026年7月

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE SUPPLIER

化学品及企业标识

Product name 化学品名称	Chuntai titanium dioxide "淳太"牌钛白粉
Product grades 牌号	TR-898, TR-888, CR-718, CR-758, CTA-110, TR-898+
Chemical formula 化学分子式	TiO ₂
Supplier 企业名称	Suzhou Chuntai New Materials Co., Ltd. 苏州淳泰新材料有限公司
Telephone 电话	13915512199
Email 电子邮件	nstexcn@gmail.com
Effective date 生效日期	July 2026 2026年7月

2. HAZARDS IDENTIFICATION

危险性概述

Classification of substances and mixtures 纯物质和混合物的分类	According to GHS criteria, this product is not a hazardous chemical and does not require classification. 根据GHS标准, 该产品不属于危险化学品, 不需要进行分类.
Label elements and precautionary statements 标签要素和警示性说明	According to GHS criteria, this product does not require hazard warning labels; other hazards do not result in classification. 根据GHS标准, 该产品不需要添加危险警示标签, 其他危害但是不至于归入分类.
Routes of entry 侵入途径	Inhalation, ingestion and contact. 吸入, 食入, 接触
Health hazards 健康危害	Short-term inhalation may irritate the nose, throat and lungs. Prolonged inhalation may cause temporary dryness and irritation of mucous membranes. Causes irritation to the eyes as an inert foreign body. Not corrosive or irritating to the skin and not absorbed through the skin. No data indicate that it causes poisoning or cancer. Non-toxic and harmless during normal industrial use. 短时吸入可能会刺激鼻, 喉部和肺部. 长时间吸入会导致粘膜出现短暂干燥, 刺激等现象. 对眼睛有惰性异物的刺激. 对皮肤无腐蚀性或刺激性, 皮肤不吸收. 无资料显示可以导致中毒或致癌. 正常工业使用时无毒无害.
Environmental hazards 环境危害	No known effects. 无已知影响.
Fire and explosion hazards 燃爆危险	No known effects. 无已知影响.



3. COMPOSITION / INFORMATION ON INGREDIENTS

成分/组成信息

Main composition: Mixture.

主要成分: 混合物

Hazardous components comply with EEC 67/548 and CLP regulations and their associated classifications.

有害成分符合EEC 67/548条例和CLP法规及其相关分类。

Component 化学品名称	CAS No. 化学文摘号	Content (%) 浓度 (%)
Titanium dioxide 二氧化钛	13463-67-7	93-96
Aluminum hydroxide 氢氧化铝	21645-51-2	2.5-3.5
Zirconium oxide 氧化锆	1314-23-4	0.2-1.0

Remarks: The above data are for dry powder. For detailed physical and chemical properties and performance, refer to the titanium dioxide product information of Suzhou Chuntai New Materials Co., Ltd.

备注: 以上数据均为干粉数据, 详细理化指标及性能, 请参照苏州淳泰新材料有限公司钛白粉产品说明书。

4. FIRST-AID MEASURES

急救措施

Skin contact 皮肤接触	Immediately rinse with clean water (preferably soapy water). 立即用清水 (肥皂水更佳) 冲洗。
Eye contact 眼睛接触	Rinse with plenty of clean water. 应用大量清水冲洗。
Inhalation 吸入	Move to fresh air. Seek medical attention if discomfort persists. 转移到新鲜空气处。如果不适感持续, 可就医。
Ingestion 食入	No special interference is indicated. Seek medical attention if necessary. 没有指出特别的干扰。如有必要, 可就医。

5. FIRE-FIGHTING MEASURES

消防措施

Hazardous characteristics 危险特性	No data available. 无资料。
Hazardous combustion products 有害燃烧产物	No data available. 无资料。
Extinguishing methods and media 灭火方法及灭火剂	There are no restrictions on the type of fire extinguisher. Use extinguishing media suitable for the surroundings. 对采用何种灭火器没有限制, 建议采用适合周围环境的灭火介质。
Fire-fighting precautions and measures 灭火注意事项及措施	This substance itself does not burn. Use extinguishing measures appropriate to the circumstances and surrounding environment. 此物质本身不燃烧。可根据当时情况和周围环境采用适合的灭火措施。



6. ACCIDENTAL RELEASE MEASURES		泄漏应急处理
Emergency action 应急行动	Avoid inhalation of dust. 避免吸入粉尘.	
Protection of emergency personnel 应急人员防护	Wear a protective mask properly. 带好防护面具.	
Environmental precautions 环保措施	If safe to do so, take measures to prevent further leakage and spillage. Do not contaminate water. 在确保安全的条件下, 采取措施防止进一步的泄漏和溢出. 不要污染水.	
Clean-up method 消除方法	Collect by vacuum or sweeping, taking care to avoid dispersing dry powder; dispose of as normal waste. 用真空收集或打扫, 注意避免干粉飞扬, 按正常废弃物处置.	

7. HANDLING AND STORAGE		操作处置与储存
Handling precautions		
操作注意事项		
Safety precautions	Avoid inhalation, ingestion and contact.	
安全注意事项	避免吸入，食入及接触。	
Personal protection	Suitable dust protection may be used to minimise inhalation of powder and skin contact.	
个人防护	可使用适当的防尘用具，最低限度地避免吸入粉末和与皮肤接触。	
Storage precautions		
储存注意事项		
Basic storage conditions and requirements	Keep the product in a dry, ventilated location. For all grades, 1,000 kg pallets must not be stacked more than two tiers high. Protect dry-powder packaging against damage.	
储存的基本条件和要求	产品应放置在干燥通风处。所有牌号的1000公斤的托盘，堆叠不能超过二层。对于干粉产品的包装物应加以保护，防止损坏。	
Storage limits	No data available.	
储存限量	无资料。	
Fire and explosion precautions	Not applicable.	
防火防爆注意事项	不适用。	
Repackaging precautions	None specifically mentioned.	
分装注意事项	没有特别提及。	



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

接触控制和个体防护

Exposure controls

接触控制

Substance 物质名称	Maximum allowable concentration (mg/m ³) 最高容许浓度 (mg/m ³)	TWA: Total dust (mg/m ³) 时间加权平均: 总尘 (mg/m ³)	TWA: Respirable dust (mg/m ³) 时间加权平均: 呼尘 (mg/m ³)	Standard 执行标准
Titanium dioxide 二氧化钛	/	8	/	GBZ 2.1-2007 (Occupational Exposure Limits for Hazardous Agents in the Workplace) 国家职业卫生标准GBZ 2.1-2007 (工作场所有害因素职业接触限值)
Titanium dioxide 二氧化钛	10	/	/	GB 11522-89 (Hygienic Standard for Titanium Dioxide Dust in Workplace Air) GB 11522-89 (车间空气中二氧化钛粉尘卫生标准)

Engineering controls

工程控制

Ensure adequate ventilation.

保证充分的通风。

Personal protection

个体防护

Respiratory protection

呼吸系统防护

If dust exceeds the limit, wear a dedicated standard dust mask.

如果粉尘超标, 应佩带专用标准防尘口罩。

Eye protection

眼睛防护

Use safety glasses or goggles to protect against airborne dust.

使用安全眼镜或护目镜以防止粉尘飞扬。

Body protection

身体防护

No data available.

无资料。

Hand protection

手防护

Use suitable gloves.

使用合适的手套。

Skin protection

皮肤防护

Usually no protection is required. Dust-sensitive individuals may use protective skin cream for frequent or prolonged contact.

通常无保护需要。频繁接触或较长时间接触时, 粉尘过敏者可以使用护肤膏来防护。

Other protection

其他防护

No data available.

无资料。

Other

其他

Wash hands before breaks and at the end of work.

休息以前和工作结束时洗手。



9. PHYSICAL AND CHEMICAL PROPERTIES

理化特性

Appearance and physical state

外观与性状

State 状态	Powdered solid 粉末状固体
Colour 颜色	White 白色
Odour 气味	None 无
pH pH值	Not applicable 不适用
Melting point 熔点	Approximately 1830°C 约1830°C
Boiling point 沸点	None 无
Relative density 相对密度	4.1
Relative vapour density 相对蒸汽密度	Not applicable 不适用
Saturated vapour pressure 饱和蒸汽压	Not applicable 不适用
Heat of combustion 燃烧热	Not applicable 不适用
Critical temperature 临界温度	Not applicable 不适用
Critical pressure 临界压力	Not applicable 不适用
Octanol/water partition coefficient 辛醇/水分配系数	Not applicable 不适用
Flash point 闪点	No flash point 无闪点
Ignition temperature 引燃温度	Not applicable 不适用
Upper explosion limit 爆炸上线	Not applicable 不适用
Lower explosion limit 爆炸下线	Not applicable 不适用
Solubility 溶解性	Insoluble in water. Solubility in other solvents is not applicable. 不溶于水. 在其他溶剂中的溶解性不适用.
Evaporation rate 蒸发速率	Not applicable 不适用
Main uses 主要用途	Coatings, plastics, etc. 涂料, 塑料等



10. STABILITY AND REACTIVITY

稳定性和反应性

Stability

稳定性

Stable

稳定

Conditions to avoid

避免接触的条件

Not applicable

不适用

Incompatible materials

禁配物

None

无

Hazardous polymerisation

聚合危害

Cannot occur

不能发生

Decomposition products

分解产物

Not applicable

不适用

Incompatibility with other materials

与其他材料的不相容性

No suitable prediction.

无合适的预测.

11. TOXICOLOGICAL INFORMATION

毒理学信息

Acute toxicity

急性毒性

No data available.

无数据资料

Subacute and chronic toxicity

亚急性和慢性毒性

No data available.

无数据资料

Irritation

刺激性

Mild irritation to skin and eyes.

对皮肤, 眼睛有轻微的刺激.

Sensitisation

致敏性

No data available.

无数据资料

Mutagenicity

致突发性

No data available.

无数据资料

Teratogenicity

致畸性

No data available.

无数据资料

Carcinogenicity

致癌性

Classified by the International Agency for Research on Cancer as a Group 2B carcinogen, meaning that the substance is possibly carcinogenic to humans. This conclusion is based on inadequate evidence in humans and sufficient evidence in animals. The animal findings were based on prolonged exposure to and inhalation of high concentrations of pigment-grade and ultrafine titanium dioxide dust.

被国际癌症研究中心归类为“2B”组别的致癌物质, 即该类物质可能对人体产生致癌性. 这是根据对人类不太充分的证据和对动物的充分证据得出的结论. 对动物得出结论的前提是长期接触并吸入高浓度染料等级的粉尘和超精细的二氧化钛粉尘.

Other

其他

No significant acute toxicological data.

无重要急性毒理学数据



12. ECOLOGICAL INFORMATION

生态学信息

Ecotoxicity

生态毒性

No data available.

无数据资料

Biodegradability

生物降解性

Not applicable.

不适用

Non-biological degradability

非生物降解性

Not applicable.

不适用

Bioconcentration and
bioaccumulation

生物富集和生物积累性

Not applicable.

不适用

Other adverse effects

其他有害作用

No data available.

无数据资料

13. DISPOSAL CONSIDERATIONS

废弃处置

Nature of waste

废弃物性质

Not hazardous waste.

不属于危险废物。

Waste disposal method

废弃物处置方法

Dispose of waste in an approved waste disposal area in accordance with local regulations.

按照当地法规，将废物丢弃到批准的废物放置区域。

Waste disposal precautions

废弃物注意事项

No data available.

无数据资料。

14. TRANSPORT INFORMATION

运输信息

Not dangerous goods under transport regulations.

根据运输法规，不属于危险品。

15. REGULATORY INFORMATION

法规信息

Domestic chemical safety
management regulations

国内化学品安全法规

The Hygienic Standard for Titanium Dioxide Dust in Workplace Air (GB 11522-89) specifies the maximum allowable concentration of this substance in workplace air and the testing methods.

车间空气中二氧化钛粉尘卫生标准 (GB 11522-89)，规定了车间空气中该物质的最高容许浓度及检测方法。

Inventory status

清单状态

The chemical substances in this product are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.

本产品中的化学物质列入美国TSCA化学物质清单和加拿大国内物质清单。

Chemical safety assessment

化学品安全评估

None.

无



16. OTHER INFORMATION

其他信息

References

参考文献

Not applicable.

不适用

Date of preparation

填表时间

July 2026.

2026年7月

Preparing department

填表部门

Technical Research and Development Centre.

技术研发中心

Data review unit

数据审核单位

Corporate Management Department.

企业管理部

Revision details

修改说明

Updated in line with changes to relevant standards and regulations and adjustments to company products.

根据相关标准及规定的修改及公司产品调整进行完善。

Other information

其他信息

Medical applications are not recommended. If such use is intended, first contact Suzhou Chuntai New Materials Co., Ltd. for consultation. For specific composition, properties and applications of the relevant product series, refer to the product information of Suzhou Chuntai New Materials Co., Ltd., contact a company sales representative, or consult the company by telephone, fax, e-mail or in person.

产品不建议医学应用，如欲使用，请先与苏州淳泰新材料有限公司联系，咨询。相关系列产品的具体成分，性质及应用领域的资料，请参考苏州淳泰新材料有限公司的产品说明书，或与公司销售代表联系，或通过电话，传真，电子邮件，亲临等方式向公司咨询。

This material safety information applies only to the product grades specified herein and does not relate to their combined use with other materials or in any process. This information is intended only as guidance for safe handling, processing, storage, transportation and disposal, and is not a guarantee of product quality.

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