



*Specialized in chemicals*

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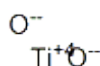
Site: www.tnjchem.com

## Technical Data Sheet

# Titanium dioxide

### Product Information

Chemical Name	Titanium dioxide
CAS #	13463-67-7
Formula	O <sub>2</sub> Ti
Molecular Weight	79.87
Chemical Structure	



### Description

Appearance white powder, non-toxic, stable chemical properties, surface treated by zirconia coating and organic treatment. Whiteness, brightness, gloss, hiding power, reducing power, easy dispersion, excellent weatherability and anti pulverization ability.

### Physical Properties

Melting point,	1840 °C
Boiling point,	2900 °C
Density	4.26 g/mL at 25 °C(lit.)
Soluble	insoluble

### Specification

Titanium dioxide is generally divided into anatase (Anatase, A type) and rutile (Rutile, referred to as type R)  
Industrial grade/ Food Grade/ Cosmetic Grade/ Pharmaceutical Grade

### Safety

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

- 1,Industrial Using--Titanium dioxide is a kind of important white pigment and glaze porcelain. For paint, ink, plastic, rubber, paper, chemical fiber, watercolor and other industries.
- 2,Food Using-Titanium dioxide can be used as a white pigment for all foods.
- 3,Environment protection--Titanium dioxide, as a catalyst for coating pigments, is not only an environmentally safe detergent, but also can save energy and protect environmental resources.
- 4,Cosmetic using--Due to ultraviolet radiation has a great harm to the human body, in recent years, developed countries pay more attention to sunscreen products research and development, have launched a variety of anti UV fiber, various plastics, films, coatings, and sunscreen cream, foundation, lipstick, mousse, baked ointment to prevent bask in cosmetics etc.. In recent years China has also increased the research and production of sunscreen cosmetics.

## Packaging

- 25kg per bag,500kg per bag or 1000kg per bag.  
20mt per 20ft container with pallet / 22mt per 20ft container without pallets.

## Storage & Handling

- Do not store in direct sunlight. Store in a tightly closed container.  
Store in a cool, dry, well-ventilated area away from incompatible substances.  
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.  
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.  
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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