Safety Data Sheet

(SDS)

Sample Name: Titanium dioxide

Sample ingredients/raw materials (provided by the customer): see Part III "Ingredient/Composition Information" in the body of the report

Editing Period: August 19, 2026

Effective Date: August 19, 2026

Project : Prepare SDS based on sample information provided by the customer.

Abstracts : According to customer requirements, the content and format of this Safety Data Sheet are mainly based on the 11th edition of the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals, (EC) No 1907/2006, (EC) No 1272/2008, (EU) 2020/878, and (EU) 2023/707. Please refer to the attached report text for specific content.

Client Name: Hebei Longtai Resources Technology Co., Ltd.

Client Address: Liuyuanzhuang Daokou, Dacheng County, Langfang City, Hebei Province

Signed for and on Behalf of **SNTEK**

Main inspection: Sign and issue:

North South Precision Testing Technology Service (Shenzhen) Co., Ltd

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Labeling

Product Name: Titanium dioxide

Product Model: General-type

1.2 Recommended and Restricted Uses

Recommended use: It is suitable for most application fields and can be widely used in paints, inks, coatings, leather, color pastes and chips, plastics, rubber, and other fields.

Restricted use: Please consult the supplier.

1.3 Product Manufacturer or Supplier Information

Manufacturer: Hebei Longtai Resources Technology Co., Ltd.

Address: Liuyuanzhuang Daokou, Dacheng County, Langfang City, Hebei Province

Telephone: +86-0316-5629999

E-mail: /

1.4 Enterprise emergency telephone

Enterprise emergency telephone: +86-0316-5629999

SECTION 2: Hazards identification

Summary of emergency

This product is white power with weak odor.

2.1 GHS Classification

According to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), This product is not classified for hazards according to GHS.

2.2 Label Elements

Pictograms: None

Signal Word: None

Hazard Statements: None

Precautionary statement(s):

Prevention: None

Response: None

Storage: None

Disposal: P501 Dispose of contents/container in accordance with local, regional,national,and/or international regulations.

2.3 Physical Hazards

Not Classified.

2.4 Health Hazards

Not Classified.

2.5 Environmental Hazards

Not Classified.

2.6 Other Hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Chemical characteristics

Substance / mixture: Substance

3.2 Composition / component

Description: A substance composed of the following component.

Component	Appr. %	CAS No.
Titanium dioxide	≥95	13463-67-7

SECTION 4: First-aid measures

4.1 Description of first-aid measures

If inhaled

Move the injured person to an area with fresh air and keep them in a comfortable position to breathe. If breathing is difficult, administer oxygen. If breathing stops, perform artificial respiration immediately. Seek medical assistance.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. rinse skin with water/ shower. Seek medical attention if discomfort persists.

In case of eye contact

Rinse thoroughly with plenty of clean water, remove the contact lens (if worn), and continue rinsing. Seek medical attention if discomfort persists.

If swallowed

Do not induce vomiting; immediately drink water (up to 2 cups). eek medical attention if discomfort persists.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

This substance is non-combustible and will not support combustion. Adopt appropriate fire extinguishing measures based on the situation and surrounding environment at that time.

Unsuitable extinguishing media

For this product no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

In case of surrounding fire, firefighters must wear positive pressure respirators, put on full-body fire protective clothing, and fight the fire from the upwind direction.

Move containers/contents from the fire site to an open area as much as possible.

Spray water to keep containers/contents in the fire site cool until the fire is extinguished.

If any container or its contents in the fire show signs of abnormality, evacuate the area immediately.

Isolate the accident site and prohibit unauthorized personnel from entering.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of generated dust and direct contact with skin and eyes.

Evacuate hazardous areas and follow emergency procedures.

Refer to Part 8 for personal protective measures.

6.2 Environmental precautions

Do not allow the product to enter sewers.

6.3 Methods and materials for containment and cleaning up

Small spill: Sweep and collect into sealed containers for recovery and reuse.

Large spill: Contain with barriers and collect using suitable tools.

Dispose of waste in accordance with regulations and clean the affected area.

Comply with applicable material restrictions (see Sections 7 and 10).

6.4 Reference to other sections

For disposal instructions, refer to Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Maintain good ventilation in working areas.

Handle packages carefully to prevent damage.

Avoid material spillage during loading and unloading.

Wash hands thoroughly and clean exposed skin after work.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated place, separated from incompatible materials (see Section 10).

Keep away from heat sources, sparks, open flames.

Equip the storage area with fire-fighting equipment and emergency response devices of appropriate type and quantity.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Component	CAS No.	Type of value (exposure form)	Control parameters / Permissible concentration	Basis
Titanium dioxide	13463-67-7	PC- TWA (total dust)	8 mg/m^3	GBZ 2.1-2019
		PC- TWA(respirable dust)	4 mg/m^3	

Engineering Control

Local exhaust and dust-removal devices shall be equipped at work stations to maintain good ventilation in the working area.

8.2 Exposure controls

Personal protective equipment

Respiratory protection

Wear dust-proof masks in working environments with high dust concentration; use particulate respirators under heavy-dust exposure conditions.

Eye protection

Wear chemical-safety goggles to prevent dust from entering eyes.

Body protection

Wear dust-proof work clothing.

Hand protection

Wear protective gloves.

Control of environmental exposure

Enhance ventilation. Dispose of waste in accordance with regulations to prevent environmental pollution.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Power
Color	White
Odor	Weak odor
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
pH value	No data available
Density/ Relative density(water=1)	3.9~4.3 g/cm^3
Flash point (Closed Cup)	Not applicable
Flammability(solid,gas)	Non-flammable
Decomposition temperature	No data available
Autoignition temperature	No data available
Water solubility	Insoluble
High/low flammability or explosive limits	No data available
N-octanol/water partition coefficient	No data available
Viscosity	No data available
Vapor pressure	No data available
Vapor density	No data available
Explosive properties	Non-explosive
Oxidizing properties	Non-oxidizing

9.2 Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Chemical stability

This product remains chemically stable under normal storage, transportation, and usage conditions.

10.2 Possibility of hazardous reactions

Under normal storage, transportation and usage conditions, this product does not undergo hazardous reactions.

10.3 Conditions to avoid

Avoid contact with incompatible materials.

10.4 Incompatible materials

Strong oxidizing agents, strong acids, etc.

10.5 Hazardous decomposition products

This product does not produce hazardous decomposition products under normal storage, transportation, and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral	LD50 (Rat)	No data available.
Inhalation	LC50 (Rat)	No data available.
Dermal	LD50 (Rabbit)	No data available

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

11.2 Additional Information

No relevant additional explanation.

SECTION 12: Ecological information

12.1 Toxicity

Acute aquatic toxicity

Fish	Crustacea	Algae or other aquatic plants
LC50:No data available	EC50:No data available	ErC50:No data available

Chronic aquatic toxicity

Fish	Crustacea	Algae or other aquatic plants
LC50:No data available	EC50:No data available	ErC50:No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This product does not belong to PBT/vPvB substances.

12.6 Other environmentally harmful effects

Under normal environmental exposure conditions, this product has no other significant environmental hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Recycle as much as possible; if recycling is not feasible, hand over non-recyclable items to a licensed company for disposal.

Do not dispose of this product by discharging it into drains.

Contaminated Packaging

Dispose of contaminated packaging in accordance with official regulations.

Disposal Precautions

Refer to national and local relevant regulations before disposal.

SECTION 14: Transport information

14.1 IMDG Code (42-24 Edition)

UN-Number	: None
UN proper shipping name	: Non-restricted goods
Primary transport hazard class(es)	: None
Secondary transport hazard class(es)	: None
Packaging group	: None
Marine pollutant (Yes/No)	: None

14.2 IATA-DGR(67th Edition)

UN-Number	: None
UN proper shipping name	: Non-restricted goods
Primary transport hazard class(es)	: None
Secondary transport hazard class(es)	: None
Packaging group	: None

14.3 Rail transport (RID, TB/T 30006-2022)

UN-Number	: None
UN proper shipping name	: Non-dangerous goods
Primary transport hazard class(es)	: None
Secondary transport hazard class(es)	: None
Packing group	: None

14.4 Special Preventive Measures

Please choose appropriate transportation vehicles and corresponding transportation and storage conditions based on the properties of the product. Transportation vehicles should be equipped with corresponding types and quantities of fire-fighting materials and emergency response equipment.

14.5 Transportation precautions

Transport vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and emergency response equipment. During transportation, the goods should be protected from direct sunlight, rain, and high temperatures. Keep away from fire.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Applicable laws and regulations

(EC) No 1907/2006;

(EC) No 1272/2008;

(EU) 2020/878;

(EU) 2023/707;

The 11th edition of the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals;

Other regulations

Please note that waste disposal should also comply with local regulations.

SECTION 16: Other information

16.1 References:

[1] IPCS: International Chemical Safety Card (ICSC)

Website: http://www.ilo.org/dyn/icsc/showcard.home

[2] EU REACH Registered Substances Database

Website: http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances

[3] OECD Global Chemical Information Platform (GCIP)

Website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

[4]US CAMEO Chemical Substance Database

Website: http://cameochemicals.noaa.gov/search/simple

[5]U.S.Library of Medicine: Chemical Labeling Database

Website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp

[6]International Maritime Organization,IMO

Website: https://www.imo.org

16.2 Shrinking:

PBT	Persistent, bioaccumulative, and toxic chemicals
vPvB	Highly persistent and highly bioaccumulative chemicals

UN	United Nations
IATA	*International Air Transport Association*
ADR	*Agreement Concerning the International Carriage of Dangerous Goods by Road*
RID	*Regulations Concerning the International Carriage of Dangerous Goods by Rail*
IMDG	*International Maritime Dangerous Goods Code*
DGR	*Dangerous Goods Regulations*

16.3 Disclaimer:

The format and content of this Safety Data Sheet (SDS) comply with the requirements of the 11th edition of the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals, (EC) No 1907/2006, (EC) No 1272/2008, (EU) 2020/878, and (EU) 2023/707. The data comes from international authoritative databases and data submitted by enterprises, while other information is based on the company's current knowledge. We strive to ensure the accuracy of all information provided, but due to the diversity of information sources and the limitations of our company's knowledge, this document is for reference only. The user of the safety technical manual should make a judgment on the reasonableness of the relevant information based on the purpose of use. We are not responsible for any damages caused by the operation, storage, use, or disposal of the product.

16.4 Revision Information

Date of SDS preparation: Wednesday, August 19, 2026

SDS Version: 1.0