

1 Identification**Product identifier**

Trade name: Crafter's Choice™ Titanium Dioxide Pigment Powder - For Oil

CAS Number: 13463-67-7

EC number: 236-675-5

Relevant identified uses of the substance or mixture White pigment for application in Foodstuffs, cosmetics, pharmaceuticals

Uses advised against For country-specific information, see Section 15.

Details of the supplier of the safety data sheet

Manufacturer/Supplier: IndiMade Brands, LLC DBA Wholesale Supplies Plus
7820 E Pleasant Valley Road
Independence, OH 44131
(800) 359-0944

Emergency telephone number: (800) 255-3924 (International: +1 813 248-0585)

2 Hazard(s) identification

Classification of the substance or mixture The substance is not classified, according to the Globally Harmonized System (GHS).

Label elements
GHS label elements Not applicable
Hazard pictograms Not applicable
Signal word Not applicable
Hazard statements Not applicable

Other hazards No further relevant information available.

3 Composition/information on ingredients**Chemical characterization: Substances**

CAS No. Description: 13463-67-7 Titanium dioxide

EC number: 236-675-5

4 First-aid measures**Description of first aid measures**

General information No special measures required.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Wash with water and soap and rinse thoroughly.

(Contd. on page 2)

US

(Contd. of page 1)

After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist consult doctor.
After swallowing	No special measures required.
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

5 Fire-fighting measures

Extinguishing media Suitable extinguishing agents	Use fire fighting measures that suit the environment. The product is not flammable.
Special hazards arising from the substance or mixture	None
Advice for firefighters Protective equipment:	Use protective measures that suit the hazard conditions.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid formation of dust. Ensure adequate ventilation
Environmental precautions:	No special measures required.
Methods and material for containment and cleaning up:	Collect mechanically. Avoid formation of dust.
Reference to other sections	See Section 8 for information on personal protective equipment. See Section 13 for disposal information.

7 Handling and storage

Handling Precautions for safe handling Information about protection against explosions and fires:	Provide vacuum dust collection if dust is formed. The product is not flammable Titanium dioxide product may be packaged at temperatures of approximately 100 to 120 °C (212 to 248 °F) and stay hot for a long time depending on ambient temperatures and inventory storage practices. Due to the potential of elevated pigment temperature,
---	--

(Contd. on page 3)

(Contd. of page 2)

caution should be used while handling pigment and when used in or near volatile solvent applications.

Conditions for safe storage, including any incompatibilities

Requirements to be met by

storerooms and receptacles:

No special requirements.

Information about storage in one

common storage facility:

Not required.

Further information about

storage conditions:

Store in dry conditions.

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

CAS: 13463-67-7 Titanium dioxide

ACGIH - TLV Long-term value: 10 TWA, mg/m³

respirable fraction 1mg/m³ TWA

OSHA - PEL Long-term value: 15* mg/m³

*total dust, 8 hr TWA

Exposure controls

Use local exhaust ventilation if airborne concentrations would otherwise exceed applicable exposure limits.

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Titanium dioxide pigments are not irritants but as with all fine powders can absorb moisture and natural oil from the surface of the skin during prolonged exposure. Prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

Breathing equipment:

If workplace exposure limits are exceeded, use respiratory protection according to national regulations.

The respirator must be selected by a technically qualified individual.

Protection of hands:

Check protective gloves prior to each use for their proper condition. Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves:

The selection of suitable gloves depends on the type of job, the characteristics of all substances to be handled and on further marks of quality, which may vary from manufacturer to manufacturer. If the product is used in a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Eye protection:

Safety glasses

(Contd. on page 4)

US

(Contd. of page 3)

Body protection: Protective work clothing.**9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Powder
Color:	White
Odor:	Odorless
Odor threshold:	Not relevant

pH-value (100 g/l) at 20°C (68°F): 7 - 8.5**Melting point/Melting range:** >1800°C (>3,272°F)**Boiling point/Boiling range:** No pertinentes**Flash point:** Not applicable**Flammability (solid, gaseous):** Product is not flammable.**Auto igniting:** Not applicable**Danger of explosion:** Product is not explosive.

Density:	20°C	Anatase	3,9 g/cm ³ (30 lbs/ U.S. gal.)
		Rutile	4,2 g/cm ³ (35 lbs/U.S. gal.)

Bulk density at 20°C (68°F): 500-800 kg/m³**Vapor density** Not applicable.**Evaporation rate** Not applicable.**Solubility in / Miscibility with
Water:** Insoluble**Partition coefficient (n-octanol/water):** Not applicable**Viscosity:
dynamic:** Not applicable.**Other information**

No further relevant information available.

10 Stability and reactivity**Reactivity** The substance is stable under normal use conditions.

(Contd. on page 5)

(Contd. of page 4)

Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition under normal use conditions.
Possibility of hazardous reactions	No dangerous reactions known
Conditions to avoid	No further data; see Section 7.
Incompatible materials:	No further data; see Section 7.
Hazardous decomposition products:	No dangerous decomposition products known.

*

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

CAS: 13463-67-7 Titanium dioxide

Oral LD50 > 5,000 mg/kg (rat) (OECD 425)

Dermal LD50 > 5,000 mg/kg (rabbit)

Inhalative LC50/4h > 6.8 mg/l (rat)

Primary irritant effect:

 on the skin: OECD 404:
No irritant effect.

 on the eye: OECD 405:
No irritant effect
Like any foreign body, particles (dust) can cause mechanical irritation.

 Sensitization: OECD 406, OECD 429
No sensitizing effects.

Subacute to chronic toxicity:

CAS: 13463-67-7 Titanium dioxide

Oral NOAEL 3,500 mg/kg/d (rat) (90 d)

 Dermal NOAEL (-)
no relevant data available

 Inhalative NOAEC 10 mg/m³ (rat) (90 d)

Additional toxicological information:

Titanium Dioxide
On February 18, 2020, the European Union (EU) published the delegated regulation classifying certain powder titanium dioxide (TiO₂) as a suspected carcinogen (Category 2) via inhalation under EU Regulation No 1272/2008 on classification, labelling, and packing (CLP) of substances and mixtures. Classification

(Contd. on page 6)

US

(Contd. of page 5)

requirements came into force on October 1, 2021, mandating hazard labels be placed on certain TiO₂ powder products and certain powder mixtures containing TiO₂ sold into the EU market.

This classification of TiO₂ is not based on new science but instead on older scientifically questioned animal test data. Other studies and extensive data, including separate epidemiologic studies of TiO₂ workers, have shown no TiO₂-specific links to cancer.

TiO₂ has been characterized by IARC as possibly carcinogenic to humans (Group 2B) through inhalation (not ingestion). It has not been characterized as a potential carcinogen by either NTP or OSHA.

Carcinogenic categories**IARC (International Agency for Research on Cancer)**

: 2B

NTP (National Toxicology Program)

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

12 Ecological information**Toxicity****Toxicity to fish**

CAS: 13463-67-7 Titanium dioxide

LC50 > 10,000 mg/l (Sheepshead minnow)

(semi-static, OECD 203 (acute toxicity for fish))

> 1,000 mg/l (Pimephales promelas)

(static, EPA-540/9-85-006, Acute Toxicity Test for Freshwater Fish)

Toxicity to Daphnia and other aquatic invertebrates

CAS: 13463-67-7 Titanium dioxide

LC50 > 10,000 mg/l (Acartia tonsa)

(ISO 14669 (1999); ISO 5667-16 (1998))

> 1,000 mg/l (Daphnia magna)

(static, OECD 202 (daphnia acute immobilisation test))

Toxicity to algae and aquatic plants

CAS: 13463-67-7 Titanium dioxide

EC50 > 100 mg/l (Pseudokirchneriella subcapitata)

(static, OECD 201 (freshwater alga and cyanobacteria, growth inhibition test))

> 10,000 mg/l (Skeletonema costatum)

(ISO 10253)

(Contd. on page 7)

US

(Contd. of page 6)

Toxicity to sediment organisms

CAS: 13463-67-7 Titanium dioxide

NOEC $\geq$ 100,000 mg/kg dw (*Hyaella azteca*)
(semi-static, ASTM 1706)

Persistence and degradability Not relevant for inorganic substances.

Bioaccumulative potential Does not accumulate in organisms

Mobility in soil The substance is immobile in soil.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Material is not a hazardous waste.
Disposal must be made according to all federal, state, and local
(municipal) regulations.

Uncleaned packagings:

Recommendation: Material is not a hazardous waste.
Disposal must be made according to all federal, state, and local
(municipal) regulations.

14 Transport information

UN-Number

DOT, ADR/RID/ADN, ADN, IMDG, IATA Not applicable

UN proper shipping name

ADR/RID/ADN, ADN, IMDG, IATA Not applicable

Transport hazard class(es)

DOT, ADR/RID/ADN, ADN, IMDG, IATA

Class Not applicable

Packing group

DOT, ADR/RID/ADN, IMDG, IATA Not applicable

Environmental hazards Not an environmentally hazardous substance.

Special precautions for user Not applicable.

Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code Not relevant

15 Regulatory information

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

Limitation of use Not approved for use as a food and feed additive in the European
Union and Switzerland.

(Contd. on page 8)

(Contd. of page 7)

SARA**Section 355 (Extremely hazardous substances):**

Substance is not listed

Section 313 (Specific toxic chemical listings):

Substance is not listed

Section 311 (TIER 1 notification)

Substance is not listed.

TSCA and Canada DSL Status:

: ACTIVE

Hazardous Air Pollutants

Substance is not listed.

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)**New Jersey Right-to-Know List:**

Substance is listed.

New Jersey Special Hazardous Substance List:

Substance is not listed.

Pennsylvania Right-to-Know List:

Substance is listed.

Pennsylvania Special Hazardous Substance List:

Substance is not listed.

Carcinogenic categories**EPA (Environmental Protection Agency)**

Substance is not listed.

TLV (Threshold Limit Value Notation established by ACGIH)

: A4 Not classifiable as human carcinogen

16 Other information

This safety data sheet is based on the properties of the material known to IndiMade Brands, LLC at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment IndiMade Brands, LLC holds no responsibility. This document is not intended for quality assurance purposes.