



## SAFETY DATA SHEET (SDS)

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

FDA DESCRIPTION NAME: TITANIUM DIOXIDE  
PRODUCT NAME: TITANIUM DIOXIDE WATER DISPERSIBLE  
COLOUR INDEX NAME: C.I. PIGMENT WHITE 6 COLOUR  
INDEX NUMBER: 77891

#### USE DESCRIPTION

Purified colors are colorants manufactured for use in a variety of food, drug, and cosmetic applications. These products include U.S. Certified Organic Colorants, Purified Inorganic Colorants, and Non-Certified Organic Colorants, and are produced to the highest purity standards possible.

#### SUPPLIER:

TKB TRADING, LLC  
1101 9th Avenue  
Oakland, CA 94606  
Tel: 510-922-9027  
www.tkbtrading.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

TITANIUM DIOXIDE C.A.S.# 13463-67-7

This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

No known hazards associated with this product.

Inorganic pigments will not burn when involved in a fire.

### 4. FIRST AID MEASURES

#### EYE CONTACT

Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Get medical attention.

#### SKIN CONTACT

Wash skin with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.

#### INHALATION

Remove to fresh air. Get medical attention if breathing is difficult.

#### INGESTION

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

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## 5. FIRE FIGHTING MEASURES

Nonflammable inorganic pigment product.

### Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers.

### Special Fire-Fighting Procedures

Self-contained breathing apparatus (SCBA) and full protective equipment recommended.

### Unusual Fire and Explosion Hazards

This product will not burn.

### General Hazard

This inorganic pigment will not burn, and has a low level of fire hazard.

### FLAMMABILITY DATA

Flash Point:	Non-flammable material
Flammability Limits:	Not applicable
Autoignition Temperature:	Not applicable
Dust Cloud Ignition Temperature:	Not applicable
Dust Layer Ignition Temperature:	Not applicable

### NFPA RATINGS

Health:	1
Flammability:	0
Reactivity:	0

### HMIS RATINGS

Health:	1
Flammability:	0
Reactivity:	0

## 6. ACCIDENTAL RELEASE MEASURES

### Small Spill

For dry powder spills, inert materials such as sand may be added to control dusting prior to cleanup. Industrial grade vacuum sweepers are also recommended. Place spilled material into appropriate waste containers for disposal.

### Large Spill

Contain spilled material immediately with an inert substance such as sand or earth. Use plastic or aluminum shovel to transfer diluted waste material into appropriate containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

Avoid employee exposure through the use of appropriate engineering controls and good industrial hygiene practices.

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## 7. HANDLING AND STORAGE (Continued)

### Storage

Store in a moderately cool, dry, well-ventilated area away from direct sources of heat. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labelling information is visible.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls

The use of local exhaust ventilation is recommended.

### Personal Protection

NIOSH approved dust respirators are recommended when handling in areas of pigment dusting. Safety glasses are also recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts.

### Exposure Limits

There are no ACGIH TLV's or OSHA PEL's established for this product.

The OSHA PEL for nuisance dust is 15 mg/m<sup>3</sup> (total dust), and 5 mg/m<sup>3</sup> (respirable dust) recommended. The recommended ACGIH TLV for nuisance dust is 10 mg/m<sup>3</sup>.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Finely divided powder  
COLOR: White  
MELTING POINT: No data  
SOLUBILITY: Insoluble  
PERCENT VOLATILE: None  
VAPOR PRESSURE: Not applicable  
BOILING POINT: No data  
MOLECULAR FORMULA: TiO<sub>2</sub>  
VOLATILE ORGANIC COMPOUNDS (VOC's): None

## 10. STABILITY AND REACTIVITY

### GENERAL:

This product is a stable compound and hazardous polymerization will not occur.

### INCOMPATIBILITY:

None known under conditions of normal use.

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## 10. STABILITY AND REACTIVITY (Continued)

### HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

## 11. TOXICOLOGICAL INFORMATION

### GENERAL

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, many inorganic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that inorganic pigments are somewhat inert and insoluble substances.

### ACUTE (SHORT-TERM) TOXICITY

No known published data available.

### CHRONIC (LONG-TERM) TOXICITY

No known published data available.

### MUTAGENICITY

No known published data available.

## 12. ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, the biodegradation of inorganic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since inorganic pigments are mostly insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.

## 13. DISPOSAL CONSIDERATIONS

### General

This product must be disposed of in accordance with all applicable federal, state and local regulations.

### Waste Management

Incineration or landfilling are recommended disposal techniques. Contact the state or local environmental agency for specific rules.

This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

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## 14. TRANSPORT INFORMATION

D.O.T. SHIPPING NAME (49 CFR 172.101-102).....: Not regulated  
D.O.T. HAZARD CLASS (49 CFR 172.101-102).....: None  
D.O.T. LABEL.....: None  
D.O.T. PLACARD.....: None  
BILL OF LADING DESCRIPTION.....: Pigments NOI Dry  
CERCLA SUBSTANCE (49 CFR).....: Not regulated  
REPORTABLE QUANTITY (RQ).....: None

### INTERNATIONAL

UN/NA NUMBER.....: Not regulated  
IMDG/IACO CLASSIFICATION.....: Not regulated  
IATA CLASSIFICATION.....: Not regulated

## 15. REGULATORY INFORMATION

### OSHA Hazard Communication Standard Status

This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

### Toxic Substances Control Act (TSCA) Status

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

### SARA Title III

Section 302 (EHS).....: NONE  
Section 311/312 (Acute).....: NONE

### RCRA

Not regulated as a hazardous waste under RCRA.  
EINECS No.: 236-675-5

△California Prop. 65: Warning: This product contains titanium dioxide which is [are] known to the State of California to cause cancer and birth defects or reproductive harm. Once the powder is incorporated into a liquid or solid base it can no longer be inhaled and therefore falls off the warning list. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

△Warning: this product may contain trace chemicals (<10ppm Lead (Pb); <2ppm Arsenic (As); and <2ppm Mercury (Hg) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. The level of such chemicals complies with all Federal requirements under the Food, Drug and Cosmetic Act for safety and effectiveness.

## 16. OTHER INFORMATION

Prepared by: TKB TRADING, LLC

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to appropriate safety precautions. It does not represent a warranty of any product properties and we assume no liability for any loss or injury which may result from the use of this information. Users should conduct their own investigations to determine the suitability of the information. END OF DATA SHEET.