

## Material Safety Data Sheet

### 1. IDENTIFICATION OF THE PRODUCT

#### PRODUCT

Product name : Titanium Dioxide - TTDIOXW-10001  
 Product form : Powder  
 Use of the product : Colouring agent  
 Distributor : Pierre-Marie Montréal  
 Web site: : www.pierre-marie.ca

### 2. HAZARD IDENTIFICATION

#### Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008(CLP) : Not classified

According to Directive 67/548/EEC & Directive 1999/45/EC : Not classified

**Label elements** : This product is not a hazardous substance

GHS label elements : Not applicable

Hazard pictogram(s) : Not applicable

Precautionary statement(s) : Not applicable

Other hazards : Not known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name Product	CAS No.	EINECS No.	Colour Index	Chemical Composition
Titanium dioxide	13463-67-7	236-675-5	77891	99.9

### 4. FIRST AID MEASURES

#### Description of first aid measures

Inhalation: : Get outside and breathe fresh air  
 Skin contact : Wash affected skin with soap and water. Rinse thoroughly with plenty of water  
 Eye contact : Rinse thoroughly with water for 15 to 20 minutes  
 Ingestion : Clean and rinse the mouth with water and drink a lot of water  
 Physician : No special measures or treatments, no description of toxic symptoms  
**Inhalation**  
 Repetitively long-term : May cause irritation to the respiratory system, coughing and difficulty breathing  
 Recommendation : Doctor consultation, Chest XRay

## 5. FIREFIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media	: Extinguish with water spray, foam or dry chemical
Unsuitable extinguishing media	: Carbon dioxide, special hazards arising from the substance or mixture
Thermal hazards	: Non combustible. None. Material itself does not burn
Advice for firefighters	: Fire fighters should wear complete protective clothing including self contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Personal precautions	: Do not breathe dust
Personal protection equipment	: Wear appropriate personal protective equipment, avoid direct contact
In case of emergency	: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions
Environmental precautions	: Do not allow to enter drains, sewers or watercourses Methods and material for
Containment and cleaning up	: Collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable
Reference to other sections	: See sections 8 and 13

## 7. HANDLING AND STORAGE

Precautions for safe handling	: Avoid breathing dust Storage conditions in complete safety. The material can be slippery when wet
Storage condition	: Keep in tightly closed container in one. cool, dry and well ventilated place. No temperature restriction

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	: Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures
Exposure limit values	: Not known

### Exposure controls

Appropriate engineering controls : Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.  
Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

### Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection	: Wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth
Skin protection	: Apron or other light protective clothing, boots and plastic or synthetic rubber gloves
Respiratory protection	: Dust mask covering nose and mouth
Thermal hazards	: None
Environmental exposure controls	: Avoid dust generation. Avoid accumulation of dust

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Powder
Colour	: White – TTDIOXW-10001
Odour	: Odourless
pH	: 6.0-9.0 (4% H <sub>2</sub> O)
Boiling point, ° C	: Not applicable
Melting point, ° C	: Decomposes
Freezing point, ° C	: Not applicable
Density	: 3.1-3.2 kg/L
Vapour pressure	: Not applicable
Solubility (in water)	: Insoluble
Particle size	: 2-4µm

#### 10. STABILITY AND REACTIVITY

Reactivity	: There may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical stability	: Stable under normal conditions
Possibility of hazardous reactions	: None
Conditions to avoid	: High temperature
Incompatible materials	: Strongly acidic, strongly alkaline, oxidizing agents
Decomposition products	: No information available

#### 11. TOXICOLOGICAL INFORMATION

##### Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity	: Not available
Carcinogenicity	: Not available

**12. ECOLOGICAL INFORMATION**

Toxicity : No data  
 Persistence and degradability : Insoluble in water. This product is predicted not to degrade in soil and water  
 Bioaccumulative potentiall : No data  
 Mobility in soil : Not applicable  
 Results of PBT and vPvB assessment : : Not applicable Other  
 Adverse effects : : Not known

**13. DISPOSAL CONSIDERATIONS**

Waste treatment methods : Dispose of contents in accordance with local, state or national legislation

**14. TRANSPORT INFORMATION**

Not classed as dangerous for transport.

<b>International Transport Regulations</b>	<b>ADR/RID</b>	<b>ADN</b>	<b>IMDG</b>	<b>ICAO/IATA</b>
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	Custom tariff No. 32061900			

**15. REGULATORY INFORMATION**

According to Directive 67/548/EEC & Directive 1999/45/EC: Not classified as dangerous for supply/use Safety, health and environmental

Regulations/legislations specific for the substance or mixture :Not available

According to ECRegulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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16. OTHER INFORMATION
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Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

**DATA SOURCES**

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on "Safe Handling of Pigments", European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service

We have described our product concerning possible safety requirements by the abovementioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties

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