

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Ti-Pure™ TS-6200 Titanium Dioxide Pigment

SDS-Identcode : 130000018855

#### Manufacturer or supplier's details

Company name of supplier : The Chemours Company México S. DE R.L. DE C.V.

Address : Lago Zurich, no. 219 int. 205 Ampliación Granada, C.P. 11529 Miguel Hidalgo  
Mexico City RFC: DPM000525554

Telephone : 55 5125 4907 in D.F. and metropolitan area - 800 737 5623 inside the Republic.

Emergency telephone : (ANIQ - SETIQ) 55 5559 1588 in CDMX and metropolitan area; 800 002 1400 inside the Republic.

E-mail address : Infolatam@chemours.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Pigment

Restrictions on use : For industrial use only.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Reproductive toxicity : Category 2

#### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

**Response:**

P308 + P313 IF exposed or concerned: Get medical advice/attention.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

Dust contact with the eyes can lead to mechanical irritation.  
Contact with dust can cause mechanical irritation or drying of the skin.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Titanium dioxide	13463-67-7	$\geq 90$ - $\leq 100$
Aluminium hydroxide	21645-51-2	$\geq 1$ - $< 5$
Trimethylolpropane	77-99-6	$\geq 0.1$ - $< 1$

### SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Remove contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : If in eyes, rinse well with water.  
Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention.  
Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : irritant effects  
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# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

Contact with dust can cause mechanical irritation or drying of the skin.  
Dust contact with the eyes can lead to mechanical irritation.

Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

Notes to physician : Treat symptomatically and supportively.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Not applicable  
Will not burn

Unsuitable extinguishing media : Not applicable  
Will not burn

Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Metal oxides

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7. HANDLING AND STORAGE

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Do not breathe dust.  
Do not swallow.  
Avoid contact with eyes.  
Avoid prolonged or repeated contact with skin.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Minimize dust generation and accumulation.  
Keep container closed when not in use.  
Take care to prevent spills, waste and minimize release to the environment.
- Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.
- Conditions for safe storage : Keep in properly labeled containers.  
Store in accordance with the particular national regulations.
- Materials to avoid : No special restrictions on storage with other products.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Titanium dioxide	13463-67-7	VLE-PPT	10 mg/m <sup>3</sup>	NOM-010-STPS-2014
		TWA (Respirable particulate matter)	2.5 mg/m <sup>3</sup> (Titanium dioxide)	ACGIH
Aluminium hydroxide	21645-51-2	VLE-PPT (Respirable fraction)	1 mg/m <sup>3</sup> (Aluminum)	NOM-010-STPS-2014
		TWA (Respirable particulate matter)	1 mg/m <sup>3</sup> (Aluminum)	ACGIH

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

---

**Engineering measures** : Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

### Personal protective equipment

**Respiratory protection** : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

**Filter type** : Particulates type

### Hand protection

**Material** : Chemical-resistant gloves

**Remarks** : For prolonged or repeated contact use protective gloves. Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

**Eye protection** : Wear the following personal protective equipment: Safety goggles

**Skin and body protection** : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : powder

**Color** : white

**Odor** : odorless

**Odor Threshold** : No data available

**pH** : 4

**Melting point/freezing point** : 1,843 °C

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

---

Initial boiling point and boiling range : 3,000 °C

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : Will not burn

Not expected to form explosive dust-air mixtures.

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : Not applicable

Relative vapor density : Not applicable

Relative density : 3.4 - 4.3

Solubility(ies)  
Water solubility : insoluble

Partition coefficient: n-octanol/water : Not applicable

Autoignition temperature : No data available

Decomposition temperature : The substance or mixture is not classified self-reactive.

Viscosity  
Viscosity, kinematic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Particle size : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : None known.

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

Conditions to avoid	:	None known.
Incompatible materials	:	None.
Hazardous decomposition products	:	No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

Not classified based on available information.

#### Components:

##### **Titanium dioxide:**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 425
Acute inhalation toxicity	:	LC50 (Rat): > 6.82 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	Acute toxicity estimate (Rat): > 2,000 mg/kg Method: Expert judgment Assessment: The substance or mixture has no acute dermal toxicity

##### **Aluminium hydroxide:**

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	LC50 (Rat): > 5.09 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Based on data from similar materials

##### **Trimethylolpropane:**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 0.85 mg/l

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

---

Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

### Skin corrosion/irritation

Not classified based on available information.

### Components:

#### Titanium dioxide:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

#### Aluminium hydroxide:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

#### Trimethylolpropane:

Species : Rabbit  
Result : No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

### Components:

#### Titanium dioxide:

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

#### Aluminium hydroxide:

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

#### Trimethylolpropane:

Species : Rabbit  
Result : No eye irritation

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.



# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

---

### **Components:**

#### **Titanium dioxide:**

Test Type	: Buehler Test
Routes of exposure	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: negative

Test Type	: Local lymph node assay (LLNA)
Routes of exposure	: Skin contact
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: negative

Routes of exposure	: Inhalation
Species	: Mouse
Result	: negative

Routes of exposure	: Inhalation
Species	: Humans
Result	: negative

#### **Aluminium hydroxide:**

Test Type	: Maximization Test
Routes of exposure	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: negative

#### **Trimethylolpropane:**

Test Type	: Local lymph node assay (LLNA)
Routes of exposure	: Skin contact
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: negative

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Titanium dioxide:**

Genotoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
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	Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
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	Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473
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# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

- Result: negative
- Test Type: comet assay  
Method: OPPTS 870.5140  
Result: positive
- Genotoxicity in vivo : Test Type: In vivo mammalian alkaline comet assay  
Species: Rat  
Application Route: intratracheal  
Method: OECD Test Guideline 489  
Result: negative
- Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 474  
Result: negative
- Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)  
Species: Mouse  
Application Route: Intraperitoneal injection  
Method: OECD Test Guideline 475  
Result: negative
- Test Type: Transgenic rodent germ cell gene mutation assay  
Species: Mouse  
Application Route: Intravenous injection  
Method: OECD Test Guideline 488  
Result: negative
- Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.
- Aluminium hydroxide:**
- Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative
- Test Type: Chromosome aberration test in vitro  
Result: positive  
Remarks: Based on data from similar materials
- Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)  
Result: equivocal  
Remarks: Based on data from similar materials
- Test Type: in vitro micronucleus test  
Result: positive  
Remarks: Based on data from similar materials
- Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

---

cytogenetic assay)  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 474  
Result: negative

### Trimethylolpropane:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

### Carcinogenicity

Not classified based on available information.

### Product:

Remarks : In lifetime inhalation studies rats were exposed for 2 years to respectively 10, 50 and 250 mg/m<sup>3</sup> of respirable TiO<sub>2</sub>. Slight lung fibrosis was observed at 50 and 250 mg/m<sup>3</sup> levels. Microscopic lung tumours were also observed in 13 percent of the rats exposed to 250 mg/m<sup>3</sup>, an exposure level that caused lung overloading and impairment of rat lungs clearance mechanisms.

In further studies, these tumours were found to occur only under particle overload conditions in a uniquely sensitive species, the rat, and have little or no relevance for humans. The pulmonary inflammatory response to TiO<sub>2</sub> particles exposure was also found to be much more severe in rats than in other rodent species.

In February 2006, IARC has re-evaluated Titanium dioxide as pertaining to Group 2B: "possibly carcinogenic to humans", based upon inadequate evidence in humans and sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide. IARC evaluation guidelines consider the generation of tumours, in 2 different studies within the same animal species, to be adequate criteria for an assessment of sufficient evidence.

The conclusions of several epidemiology studies on more than 20000 TiO<sub>2</sub> industry workers in Europe and the USA did not suggest a carcinogenic effect of TiO<sub>2</sub> dust on the human lung. Mortality from other chronic diseases, including other respiratory diseases, was also not associated with exposure to TiO<sub>2</sub> dust.

Based upon all available study results, Chemours scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

### Components:

#### Titanium dioxide:

Species : Rat  
Application Route : inhalation (dust/mist/fume)  
Exposure time : 2 Years

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

Result : negative

Species : Rat  
Application Route : Ingestion  
Exposure time : 105 weeks  
Result : negative

Species : Mouse  
Application Route : Ingestion  
Exposure time : 103 weeks  
Result : negative

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

### Aluminium hydroxide:

Species : Rat  
Application Route : inhalation (dust/mist/fume)  
Exposure time : 86 weeks  
Result : negative  
Remarks : Based on data from similar materials

### Reproductive toxicity

Suspected of damaging fertility. Suspected of damaging the unborn child.

### Components:

#### Titanium dioxide:

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 443  
Result: negative

Effects on fetal development : Test Type: Prenatal development toxicity study (teratogenicity)  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 414  
Result: negative

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

#### Aluminium hydroxide:

Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 422  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

Species: Rat  
Application Route: Ingestion  
Result: negative

### Trimethylolpropane:

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: positive

Effects on fetal development : Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 443  
Result: positive

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, based on animal experiments., Some evidence of adverse effects on development, based on animal experiments.

### STOT-single exposure

Not classified based on available information.

#### Components:

##### **Titanium dioxide:**

Routes of exposure : Skin contact  
Assessment : No significant health effects observed in animals at concentrations of 2000 mg/kg bw or less

Routes of exposure : Ingestion  
Assessment : No significant health effects observed in animals at concentrations of 2000 mg/kg bw or less

Routes of exposure : inhalation (dust/mist/fume)  
Assessment : No significant health effects observed in animals at concentrations of 5.0 mg/l/4h or less

### STOT-repeated exposure

Not classified based on available information.

#### Components:

##### **Titanium dioxide:**

Routes of exposure : Ingestion  
Assessment : No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Routes of exposure : inhalation (dust/mist/fume)  
Assessment : No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d or less.

Routes of exposure : Ingestion  
Assessment : No significant health effects observed in animals at concentra-

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

tions of 200 mg/kg bw or less.

### Repeated dose toxicity

#### Components:

##### **Titanium dioxide:**

Species	: Rat, male and female
NOAEL	: 24,000 mg/kg
LOAEL	: > 24,000 mg/kg
Application Route	: Ingestion
Exposure time	: 28 Days
Method	: OECD Test Guideline 407
Remarks	: No significant adverse effects were reported

Species	: Rat, male and female
NOAEL	: 0.01 mg/l
LOAEL	: 0.5 mg/l
Application Route	: inhalation (dust/mist/fume)
Exposure time	: 24 Months
Method	: OECD Test Guideline 453
Remarks	: No significant adverse effects were reported

Species	: Rat, male and female
NOAEL	: 962 mg/kg
LOAEL	: > 962 mg/kg
Application Route	: Ingestion
Exposure time	: 90 Days
Method	: OECD Test Guideline 408
Remarks	: No significant adverse effects were reported

##### **Aluminium hydroxide:**

Species	: Rat
NOAEL	: > 100 mg/kg
Application Route	: Ingestion
Exposure time	: 364 Days
Method	: OECD Test Guideline 426
Remarks	: Based on data from similar materials

Species	: Rat
NOAEL	: > 0.2 mg/kg
Application Route	: inhalation (dust/mist/fume)
Exposure time	: 12 Months
Remarks	: Based on data from similar materials

##### **Trimethylolpropane:**

Species	: Rat
NOAEL	: 67 mg/kg
Application Route	: Ingestion
Exposure time	: 90 Days

**Ti-Pure™ TS-6200 Titanium Dioxide Pigment**

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

---

**Aspiration toxicity**

Not classified based on available information.

**Components:****Titanium dioxide:**

No aspiration toxicity classification

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Titanium dioxide:**

Toxicity to fish	:	LC50 (Fish): > 1,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203  LC50 (Marine species): > 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia sp. (Water flea)): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202  EC50 (No species specified): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201  EC50 (Skeletonema costatum (marine diatom)): > 10,000 mg/l Exposure time: 72 h Method: ISO 10253  NOEC (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 3 d Method: OECD Test Guideline 201  NOEC (Skeletonema costatum (marine diatom)): 5,600 mg/l Exposure time: 3 d Method: ISO 10253

  

<b>Aluminium hydroxide:</b>		
Toxicity to fish	:	LL50 (Salmo trutta (brown trout)): > 100 mg/l Exposure time: 96 h

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EL50 (Selenastrum capricornutum (green algae)): > 100 mg/l  
Exposure time: 96 h

### Trimethylolpropane:

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): > 1,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 13,000 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l  
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 21 d

Toxicity to microorganisms : EC50: > 1,000 mg/l  
Exposure time: 3 h

### Persistence and degradability

#### Components:

#### Trimethylolpropane:

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 6 %  
Exposure time: 28 d

### Bioaccumulative potential

#### Components:

#### Titanium dioxide:

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)  
Bioconcentration factor (BCF): 352

#### Trimethylolpropane:

Partition coefficient: n-octanol/water : log Pow: -0.47

### Mobility in soil

No data available

### Other adverse effects

No data available



# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

##### NOM-002-SCT

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

### SECTION 15. REGULATORY INFORMATION

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

Federal Law for the control of chemical precursors, : Not applicable  
essential chemical products and machinery for producing capsules, tablets and pills.

### SECTION 16. OTHER INFORMATION

Revision Date : 26.10.2023

Date format : dd.mm.yyyy

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**Ti-Pure™ TS-6200 Titanium Dioxide Pigment**

Version	Revision Date:	SDS Number:	Date of last issue: 11.04.2023
4.1	26.10.2023	1579558-00016	Date of first issue: 28.04.2017

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Before use read Chemours safety information.

For further information contact the local Chemours office or nominated distributors.

These products may not be directly added to food, pharmaceuticals, cosmetics, or cigarette papers/filters for tobacco products.

Do not use or resell Chemours™ materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless agreed to by Seller in a written agreement covering such use. For further information, please contact your Chemours representative.

In the manufacture of titanium dioxide, product is packaged at temperatures of approximately 100 to 120°C (212 to 248°F). When pigment is shipped shortly after manufacture, it may stay hot for a very long time depending on ambient temperatures and inventory storage practices. Use caution while handling hot pigment to prevent burns to personnel. Use caution in solvent applications to prevent ignition of solvent.

**Full text of other abbreviations**

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NOM-010-STPS-2014	:	Mexico. Norm NOM-010-STPS-2014 on Chemicals Polluting the Work Environment - Identification, Assessment and Control - Appendix 1 Occupational Exposure Limits
ACGIH / TWA	:	8-hour, time-weighted average
NOM-010-STPS-2014 / VLE-	:	Time weighted average limit value
PPT	:	

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

# SAFETY DATA SHEET



## Ti-Pure™ TS-6200 Titanium Dioxide Pigment

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Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

MX / Z8