

Version 4.8	Revision Date: 04/11/2023	SDS Number: 1560719-00015	Date of last issue: 10/18/2022 Date of first issue: 04/21/2017					
SECTIO	SECTION 1. IDENTIFICATION							
Pro	duct name	: Ti-Pure™ R	-104 Titanium Dioxide Pigment					
Pro	duct code	: D15437992						
SDS	S-Identcode	: 130000030	906					
	nufacturer or supplier's							
Cor	npany name of supplier	: The Chemo	urs Company FC, LLC					
Address			1007 Market Street Wilmington, DE 19801 United States of America (USA)					
Tele	ephone	: 1-844-773-0	CHEM (outside the U.S. 1-302-773-1000)					
Emergency telephone		773-2000) ;	Medical emergency: 1-866-595-1473 (outside the U.S. 1-302 773-2000) ; Transport emergency: +1-800-424-9300 (outsid the U.S. +1-703-527-3887)					
Recommended use of the		chemical and res	trictions on use					
Recommended use		: Coloring age Pigment	ent					
Restrictions on use		: For industria	I use only.					

### **SECTION 2. HAZARDS IDENTIFICATION**

# GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

### **GHS** label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)			
Titanium dioxide	13463-67-7	>= 90 - <= 100			
Actual concentration is withheld as a trade secret					

Actual concentration is withheld as a trade secret

### **SECTION 4. FIRST AID MEASURES**



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If inhaled		:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.			
In case	e of skin contact	:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.			
In case of eye contact		:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.			
If swallowed		:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.			
Most important symptoms and effects, both acute and delayed		:	irritant effects			
Protec	tion of first-aiders	:	No special preca	utions are necessary for first aid responders.		
Notes to physician		:	Treat symptomat	ically 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 prod- ucts	:	No hazardous combustion products are known
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances 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	:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions	:	Avoid release to the environment.



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		Retain and	rther leakage or spillage if safe to do so. I dispose of contaminated wash water. orities should be advised if significant spillages contained.
	Methods and materials for containment and cleaning up	tainer for o Local or na sal of this ployed in t which regu Sections 1	or vacuum up spillage and collect in suitable con- lisposal. ational regulations may apply to releases and dispo- material, as well as those materials and items em- he cleanup of releases. You will need to determine lations are applicable. 3 and 15 of this SDS provide information regarding al or national requirements.
SEC	TION 7. HANDLING AND ST	ORAGE	
	Technical measures	•	eering measures under EXPOSURE S/PERSONAL PROTECTION section.

		CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Take care to prevent spills, waste and minimize release to the environment.
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	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Titanium dioxide	13463-67-7	TWA (total	15 mg/m <sup>3</sup>	OSHA Z-1
		dust)	U U	
		TWA (Res-	2.5 mg/m <sup>3</sup>	ACGIH
		pirable par-	(Titanium dioxide)	
		ticulate mat-	· · · · · · · · · · · · · · · · · · ·	
		ter)		

Engineering measures	:	Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

### Personal protective equipment

- Respiratory protection : G
- General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where



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			concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provide by air purifying respirators against exposure to any hazar- dous chemical is limited. Use a positive pressure air supplier respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.			
Hand	protection					
Re	emarks	:	Wash hands befo	re breaks and at the end of workday.		
Eye protection		:	Wear the following personal protective equipment: Safety glasses			
Skin	and body protection	:	Skin should be wa	ashed after contact.		
Hygiene measures		:	eye flushing syste king place. When using do no	emical is likely during typical use, provide ems and safety showers close to the wor- ot eat, drink or smoke. ed clothing before re-use.		

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	crystalline
Color	:	white
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	3,349 °F / 1,843 °C
Initial boiling point and boiling range	:	5,432 °F / 3,000 °C
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Will not burn



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				Not expected to t	form explosive dust-air mixtures.
	Upper explosion limit / Upper flammability limit		:	No data available	9
		explosion limit / Lower ability limit	:	No data available	9
	Vapor p	oressure	:	Not applicable	
	Relativ	e vapor density	:	Not applicable	
	Relativ	e density	:	3.6 - 4.3	
	Solubili Wat	ity(ies) ter solubility	:	insoluble	
	Partitio octanol	n coefficient: n- I/water	:	Not applicable	
	Autoigr	nition temperature	:	No data available	9
	Decom	position temperature	:	The substance o	r mixture is not classified self-reactive.
	Viscosi Visc	ty cosity, kinematic	:	Not applicable	
	Explosi	ive properties	:	Not explosive	
	Oxidizii Particle	ng properties e size	:	The substance o No data available	r mixture is not classified as oxidizing.

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	None known.
Conditions to avoid	:	None known.
Incompatible materials	:	None.
Hazardous decomposition products	:	No hazardous decomposition products are known.



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SECTION	11. TOXICOLOGICA	L INFORMATION	
Skin Inges	<b>mation on likely rout</b> contact stion contact	es of exposure	
	<b>e toxicity</b> lassified based on ava	ailable information.	
<u>Com</u>	ponents:		
	ium dioxide: e oral toxicity	: LD50 (Rat): > Method: OEC	> 5,000 mg/kg DD Test Guideline 425
Acute	e inhalation toxicity		
Acute	e dermal toxicity	Method: Exp	v estimate (Rat): > 2,000 mg/kg ert judgment The substance or mixture has no acute dermal

### Skin corrosion/irritation

Not classified based on available information.

### Components:

### Titanium dioxide:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
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

### Respiratory or skin sensitization

### Skin sensitization

Not classified based on available information.

### **Respiratory sensitization**

Not classified based on available information.



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Com	ponents:		
Titan	ium dioxide:		
Test		: Buehler Test	
	es of exposure	: Skin contact	
Speci	•	: Guinea pig	
Metho		: OECD Test Guideline 406	
Resu		: negative	
Test	Туре	: Local lymph node assay (LLNA)	
	es of exposure	: Skin contact	
Speci	ies	: Mouse	
Methe	od	: OECD Test Guideline 429	
Resu	lt	: negative	
	es of exposure	: Inhalation	
Speci		: Mouse	
Resu	lt	: negative	
Route	es of exposure	: Inhalation	
Speci		: Humans	
Resu	lt	: negative	
	lassified based on av ponents:	ailable information.	
Com		ailable information.	
<u>Com</u> Titan	ponents:	<ul> <li>ailable information.</li> <li>Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative</li> </ul>	
<u>Com</u> Titan	ponents: ium dioxide:	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471	
<u>Com</u> Titan	ponents: ium dioxide:	<ul> <li>Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative</li> <li>Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476</li> </ul>	
<u>Com</u> Titan	ponents: ium dioxide:	<ul> <li>Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative</li> <li>Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative</li> <li>Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473</li> </ul>	
<u>Com</u> Titan Geno	ponents: ium dioxide:	<ul> <li>Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative</li> <li>Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative</li> <li>Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative</li> <li>Test Type: comet assay Method: OPPTS 870.5140</li> </ul>	



/ersion I.8	Revision Date: 04/11/2023	SDS Number: 1560719-00015	Date of last issue: 10/18/2022 Date of first issue: 04/21/2017
		Method: OECI Result: negativ	D Test Guideline 474 /e
		cytogenetic tes Species: Mous Application Ro	ute: Intraperitoneal injection D Test Guideline 475
		Species: Mous Application Ro	ute: Intravenous injection D Test Guideline 488
	cell mutagenicity - ssment	: Weight of evid cell mutagen.	ence does not support classification as a germ
	nogenicity lassified based on ava	ilable information.	
Prod	uct:		
Rema	arks	respectively 10 lung fibrosis w croscopic lung the rats expose lung overloadin anisms. In further studi under particle cies, the rat, a pulmonary infla was also found rodent species In February 20 pertaining to G based upon in evidence in ex titanium dioxid generation of t animal species sufficient evide The conclusion 20000 TiO2 in suggest a card Mortality from tory diseases, dust.	006, IARC has re-evaluated Titanium dioxide a Group 2B: "possibly carcinogenic to humans", adequate evidence in humans and sufficient perimental animals for the carcinogenicity of e. IARC evaluation guidelines consider the umours, in 2 different studies within the same s, to be adequate criteria for an assessment of ence. Ins of several epidemiology studies on more that dustry workers in Europe and the USA did not cinogenic effect of TiO2 dust on the human lun other chronic diseases, including other respira was also not associated with exposure to TiO2
		conclude that t	I available study results, Chemours scientists titanium dioxide will not cause lung cancer or atory diseases in humans at concentrations ex- ne workplace.



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	<u>Compo</u>	onents:			
	<b>Titanium dioxide:</b> Species Application Route Exposure time Result				
			: Rat : inhalation (du : 2 Years : negative	<ul><li>inhalation (dust/mist/fume)</li><li>2 Years</li></ul>	
		s ition Route ire time	: Rat : Ingestion : 105 weeks : negative		
		s ition Route ire time	: Mouse : Ingestion : 103 weeks : negative		
	Carcinogenicity - Assess- ment		: Weight of ev cinogen	dence does not support classification as a car-	
	IARC	Group 2B: Po Titanium dio	ossibly carcinogen kide	c to humans 13463-67-7	
	OSHA		nt of this product p st of regulated car	resent at levels greater than or equal to 0.1% is cinogens.	
	NTP			esent at levels greater than or equal to 0.1% is ated carcinogen by NTP.	
	Not cla	ductive toxicity ssified based on avail	able information.		
	<u>Compo</u>	onents:			
		im dioxide: on fertility	Species: Rat Application F	oute: Ingestion D Test Guideline 443	
	Effects	on fetal development	Species: Rat Application F	oute: Ingestion D Test Guideline 414	
	Reproc sessme	luctive toxicity - As- ent	: Weight of ev ductive toxic	dence does not support classification for repro- ty	
	OTOT	single expective			

### STOT-single exposure

Not classified based on available information.



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<u>Comp</u>	oonents:	
Titani	ium dioxide:	
	es of exposure ssment	<ul> <li>Skin contact</li> <li>No significant health effects observed in animals at concentrations of 2000 mg/kg bw or less</li> </ul>
	es of exposure ssment	<ul> <li>Ingestion</li> <li>No significant health effects observed in animals at concentrations of 2000 mg/kg bw or less</li> </ul>
	es of exposure esment	<ul> <li>inhalation (dust/mist/fume)</li> <li>No significant health effects observed in animals at concentrations of 5.0 mg/l/4h or less</li> </ul>
стот	-repeated exposure	
Not cl	assified based on av	ailable information.
Comp	oonents:	
Titani	ium dioxide:	
	es of exposure ssment	<ul> <li>Ingestion</li> <li>No significant health effects observed in animals at concentra tions of 100 mg/kg bw or less.</li> </ul>
	es of exposure ssment	<ul> <li>inhalation (dust/mist/fume)</li> <li>No significant health effects observed in animals at concentra tions of 0.2 mg/l/6h/d or less.</li> </ul>
Route	s of exposure	: Ingestion
Asses	sment	: No significant health effects observed in animals at concentrations of 200 mg/kg bw or less.
Repe	ated dose toxicity	
Comp	oonents:	
Titani	ium dioxide:	
	EL EL cation Route sure time od	<ul> <li>Rat, male and female</li> <li>24,000 mg/kg</li> <li>&gt; 24,000 mg/kg</li> <li>Ingestion</li> <li>28 Days</li> <li>OECD Test Guideline 407</li> <li>No significant adverse effects were reported</li> </ul>
	EL EL cation Route sure time od	<ul> <li>Rat, male and female</li> <li>0.01 mg/l</li> <li>0.5 mg/l</li> <li>inhalation (dust/mist/fume)</li> <li>24 Months</li> <li>OECD Test Guideline 453</li> <li>No significant adverse effects were reported</li> </ul>



Species:Rat, male and femaleNOAEL: $962 \text{ mg/kg}$ LOAEL:> $962 \text{ mg/kg}$ Application Route:IngestionExposure time: $90 \text{ Days}$ Method:OECD Test Guideline 408Remarks:No significant adverse effects were reportedAspiration toxicityNot classified based on available information.Components:.Titanium dioxide:.No aspiration toxicity classificationSECTION 12. ECOLOGICAL INFORMATIONEcotoxicity.Components:.Titanium dioxide:.Toxicity to fish:LC50 (Fish): > 1,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203LC50 (Marine species): > 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203LC50 (Daphnia sp. (Water flea)): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202Toxicity to daphnia and other aquatic invertebrates:EC50 (No species specified): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202EC50 (No species specified): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202Toxicity to algae/aquatic plants:Erc50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201	ersion Revision Date: 8 04/11/2023	-	S Number: 60719-00015	Date of last issue: 10/18/2022 Date of first issue: 04/21/2017
Not classified based on available information.         Components:         Titanium dioxide:         No aspiration toxicity classification         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         LC50 (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         EC50 (No species specified): > 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         EC50 (Pseudokirchneriella subcapitata (green algae)): > 1         mg/l         Exposure time: 72 h	NOAEL LOAEL Application Route Exposure time Method		962 mg/kg > 962 mg/kg Ingestion 90 Days OECD Test Gu	ideline 408
Titanium dioxide:         No aspiration toxicity classification         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         EC50 (No species specified): > 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         EC50 (Pseudokirchneriella subcapitata (green algae)): > 1         mg/l         Exposure time: 72 h	Not classified based on av	ailable	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)): > 1 mg/l Exposure time: 72 h	Titanium dioxide:	ificatior	ı	
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         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)): > 1 mg/l Exposure time: 72 h		NFORM	IATION	
Titanium dioxide:Toxicity to fish:LC50 (Fish): > 1,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203LC50 (Marine species): > 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203Toxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia sp. (Water flea)): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202EC50 (No species specified): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202:> 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202Toxicity to algae/aquatic plants:ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h	-			
<ul> <li>Toxicity to fish</li> <li>LC50 (Fish): &gt; 1,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203</li> <li>LC50 (Marine species): &gt; 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203</li> <li>Toxicity to daphnia and other aquatic invertebrates</li> <li>EC50 (Daphnia sp. (Water flea)): &gt; 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202</li> <li>EC50 (No species specified): &gt; 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202</li> <li>EC50 (No species specified): &gt; 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202</li> <li>EC50 (No species specified): &gt; 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202</li> <li>EC50 (Pseudokirchneriella subcapitata (green algae)): &gt; 1 mg/l Exposure time: 72 h</li> </ul>				
Exposure time: 96 h Method: OECD Test Guideline 203Toxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia sp. (Water flea)): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202EC50 (No species specified): > 1,000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202Toxicity to algae/aquatic plants:ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h		:	Exposure time:	96 h
aquatic invertebrates       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)): > 1 mg/l Exposure time: 72 h			Exposure time:	96 h
Exposure time: 48 h         Method: OECD Test Guideline 202         Toxicity to algae/aquatic plants       : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1         mg/l         Exposure time: 72 h		ner :	Exposure time:	48 h
plants mg/l Exposure time: 72 h			Exposure time:	48 h
		:	mg/l Exposure time:	72 h
EC50 (Skeletonema costatum (marine diatom)): > 10,000 r Exposure time: 72 h Method: ISO 10253			Exposure time:	72 h
NOEC (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 3 d Method: OECD Test Guideline 201			mg/l Exposure time:	3 d
NOEC (Skeletonema costatum (marine diatom)): 5,600 mg			NOEC (Skeleto	nema costatum (marine diatom)): 5,600 mg/l



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		Exposure time Method: ISO 1	
No da	istence and degradal ata available ccumulative potentia	-	
Com	ponents:		
· · · · ·	ium dioxide: ccumulation		rhynchus mykiss (rainbow trout) on factor (BCF): 352
	<b>lity in soil</b> ata available		
••	<b>r adverse effects</b> ata available		
SECTION	13. DISPOSAL CON	SIDERATIONS	

### Disposal methods

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

**49 CFR** Not regulated as a dangerous good

### Special precautions for user Not applicable



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### SECTION 15. REGULATORY INFORMATION

### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	No SARA Hazards
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **US State Regulations**

#### Pennsylvania Right To Know

Titanium dioxide Inorganic metal oxide 13463-67-7 Trade secret

#### California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

#### **California Permissible Exposure Limits for Chemical Contaminants**

Titanium dioxide

13463-67-7

### SECTION 16. OTHER INFORMATION

**Further information** 





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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<sup>™</sup> 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.

An electrostatic charge can potentially build up when pouring or conveying product from plastic bags. Do not use plastic bags in the presence of flammable or explosive vapors.

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)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-
		its for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% response; SHS - Emergency Schedule; Sences - Emergency Response Guide; GHS - Globally Harmonized Sys-



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tem; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

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

Revision Date : 04/11/2023

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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