

Version 6.0	Revision Date: 08/09/2021		DS Number: 579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017	
SECTION	1. IDENTIFICATION				
Prod	uct name	:	Ti-Pure™ TS-620	00 Titanium Dioxide Pigment	
Prod	uct code	:	D11940269		
SDS	Identcode	:	130000018855		
Man	ufacturer or supplier's	det	ails		
Com	Company name of supplier		The Chemours Company FC, LLC		
Address		:	1007 Market Street Wilmington, DE 19801 United States of America (USA)		
Telephone : 1-844-773-C		1-844-773-CHEN	I (outside the U.S. 1-302-773-1000)		
Eme	rgency telephone	: Medical emergency: 1-866-595-1473 (outside the U.3 773-2000) ; Transport emergency: +1-800-424-930 the U.S. +1-703-527-3887)		nsport emergency: +1-800-424-9300 (outside	
Reco	ommended use of the	cher	nical and restricti	ons on use	
Reco	mmended use	:	Pigment		
Rest	rictions on use	:	For industrial use	e only.	

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accor 1910.1200)	rdan	ce with the OSHA Hazard Communication Standard (29 CFR
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 and face protection.



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
		<b>Response:</b> P308 + P313 IF	exposed or concerned: Get medical attention.
		<b>Storage:</b> P405 Store lock	ked up.
		<b>Disposal:</b> P501 Dispose o disposal plant.	of contents and container to an approved waste

## 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		

## Components

Chemical name	CAS-No.	Concentration (% w/w)
Titanium dioxide	13463-67-7	>= 90 - <= 100
Silicon dioxide, amorphous	7631-86-9	>= 1 - < 5
Aluminium hydroxide	21645-51-2	>= 1 - < 5
Trimethylolpropane	77-99-6	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice 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	:	irritant effects Suspected of damaging fertility. Suspected of damaging the



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
delay	ed	the skin.	ust can cause mechanical irritation or drying of ith the eyes can lead to mechanical irritation.
Protection of first-aiders		and use the rec	nders should pay attention to self-protection, commended personal protective equipment ntial for exposure exists (see section 8).
Notes	s to physician	: Treat symptom	atically and supportively.
05071011			

### 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	:	Metal oxides
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	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective 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 con- tainer 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 dispo- sal of this material, as well as those materials and items em-



Version 6.0	Revision Date: 08/09/2021		DS Number: 579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
			which regulations Sections 13 and 1	nup of releases. You will need to determine are applicable. 5 of this SDS provide information regarding tional requirements.
SECTION	7. HANDLING AND ST	OR	AGE	
Techn	ical measures	:		measures under EXPOSURE SONAL PROTECTION section.
Local/	Total ventilation	:	Use only with ade	equate ventilation.
Advice	Advice on safe handling : Do not breathe dust. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with s Handle in accordance with good industrial practice, based on the results of the workp sessment Minimize dust generation and accumulatio Keep container closed when not in use.		n eyes. or repeated contact with skin. ance with good industrial hygiene and safety n the results of the workplace exposure as- neration and accumulation.	
Condi	tions for safe storage	:		abeled containers. ce with the particular national regulations.
Materi	ials to avoid	:	No special restric	tions 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 parame- ters / Permissible concentration	Basis
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m³	OSHA Z-1
		TWA	10 mg/m <sup>3</sup> (Titanium dioxide)	ACGIH
Silicon dioxide, amorphous	7631-86-9	TWA (Dust)	20 Million par- ticles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m <sup>3</sup> (Silica)	NIOSH REL
Aluminium hydroxide	21645-51-2	TWA (Res- pirable par- ticulate mat- ter)	1 mg/m³ (Aluminum)	ACGIH



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
Engir	neering measures	Minimize wo Ensure that dust collecto signed in a n	uate ventilation, especially in confined areas. rkplace exposure concentrations. dust-handling systems (such as exhaust ducts, rs, vessels, and processing equipment) are de- nanner to prevent the escape of dust into the e., there is no leakage from the equipment).
Perso	onal protective equip	ment	
Resp	iratory protection	maintain vap concentratio unknown, ap Follow OSH/ use NIOSH/I by air purifyin dous chemic respirator if t exposure lev	local exhaust ventilation is recommended to for exposures below recommended limits. Where ins are above recommended limits or are propriate respiratory protection should be worn. A respirator regulations (29 CFR 1910.134) and MSHA approved respirators. Protection provided ing respirators against exposure to any hazar- ral is limited. Use a positive pressure air supplied here is any potential for uncontrolled release, rels are unknown, or any other circumstance rifying respirators may not provide adequate
Hand	protection		
Ma	aterial	: Chemical-re	sistant gloves
Re	emarks	Choose glov on the conce time is not de For special a sistance to c ves with the	ed or repeated contact use protective gloves. es to protect hands against chemicals depending entration specific to place of work. Breakthrough etermined for the product. Change gloves often! applications, we recommend clarifying the re- hemicals of the aforementioned protective glo- glove manufacturer. Wash hands before breaks and of workday.
Eye p	protection	: Wear the foll Safety goggl	owing personal protective equipment: es
Skin a	and body protection	resistance da potential. Skin contact	priate protective clothing based on chemical ata and an assessment of the local exposure must be avoided by using impervious protective ves, aprons, boots, etc).
Hygie	ene measures	eye flushing king place. When using	o chemical is likely during typical use, provide systems and safety showers close to the wor- do not eat, drink or smoke. ninated clothing before re-use.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

## SAFETY DATA SHEET



Versior 6.0	Revision Date: 08/09/2021		S Number: 79556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
Co	lor	:	white	
Oc	dor	:	odorless	
Oc	dor Threshold	:	No data available	9
рH	l	:	4	
Me	elting point/freezing point	:	3,349 °F / 1,843	°C
	tial boiling point and boiling nge	:	5,432 °F / 3,000	°C
Fla	ash point	:	Not applicable	
Ev	aporation rate	:	Not applicable	
Fla	ammability (solid, gas)	:	Will not burn	
			Not expected to f	form explosive dust-air mixtures.
	oper explosion limit / Upper mmability limit	:	No data available	9
	wer explosion limit / Lower mmability limit	:	No data available	9
Va	por pressure	:	Not applicable	
Re	lative vapor density	:	Not applicable	
Re	lative density	:	3.4 - 4.3	
So	lubility(ies) Water solubility	:	insoluble	
	rtition coefficient: n- tanol/water	:	Not applicable	
Au	toignition temperature	:	No data available	9
De	composition temperature	:	The substance of	r mixture is not classified self-reactive.
Vis	scosity Viscosity, kinematic	:	Not applicable	
Ex	plosive properties	:	Not explosive	
Ox	kidizing properties	:	The substance of	r mixture is not classified as oxidizing.



Version 6.0	Revision Date: 08/09/2021			Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
Partic	le size	:	No data available	9
SECTION	10. STABILITY AND RE	EAC	TIVITY	
React	tivity	:	Not classified as	a reactivity hazard.
Cherr	nical stability	:	Stable under nor	mal conditions.
Possi tions	bility of hazardous reac-	:	None known.	
Cond	itions to avoid	:	None known.	
Incom	npatible materials	:	None.	
Haza produ	rdous decomposition	:	No hazardous de	ecomposition products are known.
SECTION	11. TOXICOLOGICAL I	NFC	ORMATION	
Inges Eye c <b>Acute</b> Not cl	contact tion contact <b>e toxicity</b> lassified based on availa <b>conents:</b>	ble	information.	
	ium dioxide:			
Acute	e oral toxicity	:	LD50 (Rat): > 5,0 Method: OECD T	
Acute	inhalation toxicity	:	LC50 (Rat): > 6.8 Exposure time: 4 Test atmosphere: Assessment: The tion toxicity	h
Acute	e dermal toxicity	:	Method: Expert ju	mate (Rat): > 2,000 mg/kg dgment substance or mixture has no acute dermal
Silico	on dioxide, amorphous	:		
Acute	oral toxicity	:	LD50 (Rat): > 5,0 Method: OECD T	
Acute	inhalation toxicity	:	LC50 (Rat): > 2.0 Exposure time: 4 Test atmosphere:	h



Version 6.0	Revision Date: 08/09/2021		S Number: 79556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
			Assessment: Th tion toxicity	ne substance or mixture has no acute inhala-
Acute	e dermal toxicity	:	LD50 (Rabbit): :	> 5,000 mg/kg
Alum	ninium hydroxide:			
	e oral toxicity	:		,000 mg/kg Test Guideline 423 ne substance or mixture has no acute oral tox-
Acute	e inhalation toxicity	:	tion toxicity	4 h
П <sub>ттіт</sub>	ethylolpropane:			
<u></u>	e oral toxicity	:	LD50 (Rat): > 5	,000 mg/kg
Acute	e inhalation toxicity	:	LC50 (Rat): > 0 Exposure time: Test atmospher	4 h
Acute	e dermal toxicity	:	LD50 (Rabbit): :	> 5,000 mg/kg
II Skin	corrosion/irritation			
	lassified based on ava	ilable	information.	
<u>Com</u>	ponents:			
	ium dioxide:			
Spec Meth Resu	od	:	Rabbit OECD Test Gui No skin irritatior	
	on dioxide, amorpho			
Spec Meth Resu	ies od	us. : :	Rabbit OECD Test Gui No skin irritatior	
Incesu	in c	•	IND SKILL ITTUGUOL	1
Alum	ninium hydroxide:			
Spec		:	Rabbit	
Meth Resu		:	OECD Test Gui No skin irritatior	
_Trim	ethylolpropane:			
Spec			Rabbit	
Resu		:	No skin irritation	1



Version 6.0	Revision Date: 08/09/2021	-	OS Number: 79556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
Seric	ous eye damage/eye	irritati	on	
Not c	lassified based on ava	ailable	information.	
Com	ponents:			
Titan	ium dioxide:			
Spec		:	Rabbit	
Resu Meth		:	No eye irritation OECD Test Guid	eline 405
Silico	on dioxide, amorpho	us:		
Spec		:	Rabbit	
Resu		:	No eye irritation OECD Test Guid	aliaa 405
Meth	ou		OECD Test Guid	
Alum	ninium hydroxide:			
Spec		:	Rabbit	
Resu Meth		:	No eye irritation OECD Test Guid	eline 405
Trim Spec Resu		:	Rabbit No eye irritation	
Not c Resp	sensitization lassified based on ava piratory sensitization lassified based on ava			
Com	ponents:			
Titan	ium dioxide:			
Test		:	Buehler Test	
Route Spec	es of exposure	:	Skin contact Guinea pig	
Meth		÷	OECD Test Guid	eline 406
Resu		:	negative	
Test		:	Local lymph node	e assay (LLNA)
	es of exposure	:	Skin contact	
Spec Meth			Mouse OECD Test Guid	eline 429
Resu		:	negative	
Route	es of exposure	:	Inhalation	
Spec	ies	:	Mouse	
Resu	llt	:	negative	
Route	es of exposure	:	Inhalation	
Spec		:	Humans	



Version 6.0	Revision Date: 08/09/2021		S Number: 79556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
Resu	t	:	negative	
Alum	inium hydroxide:			
Test	Evne		Maximization Tes	t
	es of exposure		Skin contact	•
Speci			Guinea pig	
Metho			OECD Test Guide	eline 406
Resul		:	negative	
Trime	ethylolpropane:			
Test			Local lymph node	
	es of exposure	:	Skin contact	assay (LLINA)
Speci			Mouse	
Metho			OECD Test Guide	alina 120
Resu		:	negative	
Not cl	cell mutagenicity assified based on ava conents:	ilable	information.	
Titan	ium dioxide:			
Geno	toxicity in vitro	:	Test Type: Bacte Method: OECD T Result: negative	rial reverse mutation assay (AMES) est Guideline 471
				o mammalian cell gene mutation test est Guideline 476
				nosome aberration test in vitro est Guideline 473
			Test Type: comet Method: OPPTS Result: positive	
Geno	toxicity in vivo	:	Species: Rat Application Route	o mammalian alkaline comet assay :: intratracheal est Guideline 489
			cytogenetic assay Species: Rat Application Route	
				enicity (in vivo mammalian bone-marrow chromosomal analysis)



ersion D	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
			Route: Intraperitoneal injection CD Test Guideline 475
		Species: Mo Application F	Route: Intravenous injection CD Test Guideline 488
	cell mutagenicity - ssment	: Weight of ev cell mutagen	idence does not support classification as a gern
Silico	on dioxide, amorpho	us:	
Geno	toxicity in vitro		Bacterial reverse mutation assay (AMES) CD Test Guideline 471 Itive
Geno	toxicity in vivo	cytogenetic t Species: Rat	Route: Ingestion
	cell mutagenicity - ssment	: Weight of ev cell mutagen	idence does not support classification as a gerr
Alum	inium hydroxide:		
LL.	toxicity in vitro		n vitro mammalian cell gene mutation test CD Test Guideline 476 tive
		Result: posit	Chromosome aberration test in vitro ive ased on data from similar materials
		thesis in mar Result: equiv	DNA damage and repair, unscheduled DNA syn- mmalian cells (in vitro) vocal ased on data from similar materials
		Result: posit	n vitro micronucleus test ive ased on data from similar materials
Geno	toxicity in vivo	cytogenetic a Species: Rat Application F	t Route: Ingestion CD Test Guideline 474



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
	thylolpropane:		
Genot	oxicity in vitro		ro mammalian cell gene mutation test Test Guideline 476
	n <b>ogenicity</b> assified based on ava	ilable information.	
Produ			
Rema		respectively 10, lung fibrosis was croscopic lung to the rats exposed lung overloading anisms. In further studies under particle ov cies, the rat, and pulmonary inflar was also found to rodent species. In February 200 pertaining to Gro based upon inac evidence in expo titanium dioxide. generation of tur animal species, sufficient eviden The conclusions 20000 TiO2 indu suggest a carcir Mortality from of tory diseases, w dust. Based upon all a conclude that tit	s of several epidemiology studies on more than ustry workers in Europe and the USA did not nogenic effect of TiO2 dust on the human lung. ther chronic diseases, including other respira- ras also not associated with exposure to TiO2 available study results, Chemours scientists anium dioxide will not cause lung cancer or bry diseases in humans at concentrations ex-
Comp	onents:		
Titani	um dioxide:		
Specie		: Rat	miet/fume)
	ation Route ure time	: inhalation (dust/ : 2 Years	mist/tume)
Result		: negative	
Specie	25	: Rat	
	ation Route	: Ingestion	
Expos	ure time	: 105 weeks	
Result		: negative	



Version 6.0	Revision Date: 08/09/2021	SDS Number:Date of last issue: 10/21/20201579556-00013Date of first issue: 04/28/2017
	cation Route sure time	<ul> <li>Mouse</li> <li>Ingestion</li> <li>103 weeks</li> <li>negative</li> </ul>
Carcir ment	nogenicity - Assess-	: Weight of evidence does not support classification as a car- cinogen
Silico	on dioxide, amorphou	:
Speci	· •	: Rat
	cation Route	: Ingestion
	sure time	: 103 weeks
Resul	t	: negative
Carcir ment	nogenicity - Assess-	: Weight of evidence does not support classification as a car- cinogen
Alum	inium hydroxide:	
Speci	-	: Rat
	cation Route	: inhalation (dust/mist/fume)
	sure time	: 86 weeks
Resul		: negative
Rema	arks	: Based on data from similar materials
IARC	Group 2B: P Titanium dio	ssibly carcinogenic to humans ide 13463-67-7
II OSH/		nt of this product present at levels greater than or equal to 0.1% is st of regulated carcinogens.
NTP		of this product present at levels greater than or equal to 0.1% is a known or anticipated carcinogen by NTP.
Renro	oductive toxicity	
	•	ty. Suspected of damaging the unborn child.
	oonents:	
11	ium dioxide:	
u	s on fertility	: Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Ingestion Method: OECD Test Guideline 443 Result: negative
Effect	s on fetal development	: Test Type: Prenatal development toxicity study (teratogenici Species: Rat Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative
Repro sessn	oductive toxicity - As- nent	: Weight of evidence does not support classification for repro- ductive toxicity

## SAFETY DATA SHEET



ersion 0	Revision Date: 08/09/2021		)S Number: 79556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
Υ				
Silico	on dioxide, amorphous	:		
Effect	s on fetal development	:	Test Type: Emb Species: Rat Application Rou Result: negative	
Repro sessn	oductive toxicity - As- nent	:	Weight of evide ductive toxicity	nce does not support classification for repro-
Alum	inium hydroxide:			
Effect	s on fertility	:	reproduction/de Species: Rat Application Rou Method: OECD Result: negative	Test Guideline 422
Effect	s on fetal development	:	Test Type: Emb Species: Rat Application Rou Result: negative	
Trime	ethylolpropane:			
Effect	s on fertility	:	Test Type: Two Species: Rat Application Rou Result: positive	
Effect	s on fetal development	:	Species: Rat Application Rou Method: OECD Result: positive	Test Guideline 443
Repro sessn	oductive toxicity - As- nent	:	fertility, based o	of adverse effects on sexual function and on animal experiments., Some evidence of on development, based on animal experi-
	-single exposure			
	lassified based on availa <b>conents:</b>	ble	information.	
11	ium dioxide:			
Route	es of exposure ssment	:	Skin contact No significant h tions of 2000 m	ealth effects observed in animals at concentra- g/kg bw or less
	es of exposure ssment	:	Ingestion No significant h	ealth effects observed in animals at concentra-



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
II		tions of 2000	mg/kg bw or less
	es of exposure ssment	: inhalation (du : No significant tions of 5.0 m	health effects observed in animals at concentra-
STO	T-repeated exposure		
	lassified based on avail	able information.	
11	ponents:		
Route	iium dioxide: es of exposure ssment	5	health effects observed in animals at concentra- ng/kg bw or less.
	es of exposure ssment		st/mist/fume) health effects observed in animals at concentra- g/l/6h/d or less.
	es of exposure ssment		health effects observed in animals at concentra- ng/kg bw or less.
Repe	eated dose toxicity		
Com	ponents:		
Titan	ium dioxide:		
	EL EL cation Route sure time od	<ul> <li>Rat, male and</li> <li>24,000 mg/kg</li> <li>&gt; 24,000 mg/l</li> <li>Ingestion</li> <li>28 Days</li> <li>OECD Test G</li> <li>No significant</li> </ul>	<g< td=""></g<>
	EL EL cation Route sure time od	<ul> <li>Rat, male and</li> <li>0.01 mg/l</li> <li>0.5 mg/l</li> <li>inhalation (du</li> <li>24 Months</li> <li>OECD Test G</li> <li>No significant</li> </ul>	st/mist/fume)
	EL EL cation Route sure time od	<ul> <li>Rat, male and</li> <li>962 mg/kg</li> <li>962 mg/kg</li> <li>Ingestion</li> <li>90 Days</li> <li>OECD Test G</li> <li>No significant</li> </ul>	



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017		
Specie NOAE Applic		s: : Rat : 1.3 mg/m <sup>3</sup> : inhalation (dus : 13 Weeks	st/mist/fume)		
Specie NOAE Applic Expos Metho Rema	L ation Route sure time d rks		uideline 426 I from similar materials		
	EL ation Route sure time	: Rat : > 0.2 mg/kg : inhalation (dus : 12 Months : Based on data	st/mist/fume) from similar materials		
Specie NOAE Applic		: Rat : 67 mg/kg : Ingestion : 90 Days			
	ation toxicity assified based on avail	able information.			
Titani	<u>oonents:</u> um 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



rsion )	Revision Date: 08/09/2021		9S Number: 79556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
			Exposure time: 4	s specified): > 1,000 mg/l 8 h est Guideline 202
Toxicity to algae/aquatic plants		:	ErC50 (Pseudokirchneriella subcapitata (green algae)): : mg/l Exposure time: 72 h Method: OECD Test Guideline 201	
			EC50 (Skeletone Exposure time: 7 Method: ISO 102	
			mg/l Exposure time: 3	rchneriella subcapitata (green algae)): > 100 d est Guideline 201
			NOEC (Skeletone Exposure time: 3 Method: ISO 102	
Silico	n dioxide, amorphous			
	ty to fish	:	Exposure time: 9	o (zebra fish)): > 10,000 mg/l 6 h est Guideline 203
	ity to daphnia and other ic invertebrates	:	Exposure time: 2	nagna (Water flea)): > 1,000 mg/l 4 h est Guideline 202
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 7 Method: OECD T	smus subspicatus (green algae)): > 10,000 2 h 'est Guideline 201 on data from similar materials
			mg/l Exposure time: 7 Method: OECD T	esmus subspicatus (green algae)): 10,000 2 h rest Guideline 201 on data from similar materials
Alum	inium hydroxide:			
LL.	ity to fish	:	LL50 (Salmo trutt Exposure time: 9	a (brown trout)): > 100 mg/l 6 h
	ty to daphnia and other ic invertebrates	:	EL50 (Daphnia m Exposure time: 4	nagna (Water flea)): > 100 mg/l 8 h
Toxici	ty to algae/aquatic	:	EL50 (Selenastru Exposure time: 9	ım capricornutum (green algae)): > 100 mg/l



sion	Revision Date: 08/09/2021		OS Number: 79556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017	
Trime	thylolpropane:				
_	ty to fish	:	LC50 (Oryzias la Exposure time: 9	tipes (Orange-red killifish)): > 1,000 mg/l 6 h	
	ty to daphnia and other ic invertebrates	:	EC50 (Daphnia r Exposure time: 4	nagna (Water flea)): 13,000 mg/l 8 h	
Toxicity to algae/aquatic plants		:	1,000 mg/l	EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l Exposure time: 72 h	
	ty to daphnia and other ic invertebrates (Chron- city)	:	NOEC (Daphnia Exposure time: 2	magna (Water flea)): > 1,000 mg/l 1 d	
Toxicity to microorganisms		:	EC50: > 1,000 mg/l Exposure time: 3 h		
Persi	stence and degradabili	ity			
Comp	oonents:				
Trime	thylolpropane:				
	gradability	:	Result: Not readi Biodegradation: Exposure time: 2	6%	
Bioac	cumulative potential				
Comp	oonents:				
Titani	um dioxide:				
<b>.</b>	cumulation	:		ynchus mykiss (rainbow trout) factor (BCF): 352	
Trime	thylolpropane:				
	on coefficient: n- ol/water	:	log Pow: -0.47		
Mobil	ity in soil				
	ta available				
Other	adverse effects				
No data available					

Disposal methods	
Waste from residues	: Dispose of in accordance with local regulations.
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal.



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017				
		If not otherwise	e specified: Dispose of as unused product.				
SECTION	14. TRANSPORT IN	FORMATION					
Inter	national Regulations						
•••••	<b>UNRTDG</b> 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.							
Dom	Domestic regulation						
	<b>49 CFR</b> Not regulated as a dangerous good						
	Special precautions for user						

Not applicable

## 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	:	Reproductive toxicity
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	13463-67-7
Silicon dioxide, amorphous	7631-86-9
Inorganic metal oxide	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.

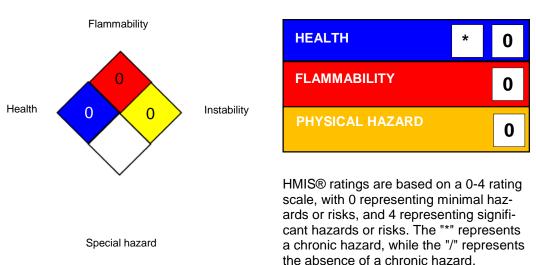


Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017
Califo	ornia List of Hazardo Silicon dioxide, a	7631-86-9	
Califo	ornia Permissible Ex	posure Limits for Che	emical Contaminants
	Titanium dioxide Silicon dioxide, a	morphous	13463-67-7 7631-86-9

### SECTION 16. OTHER INFORMATION

### **Further information**

NFPA 704:



HMIS® IV:

Ti-Pure<sup>™</sup> and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC.

Chemours <sup>™</sup> and the Chemours Logo are trademarks of The Chemours Company. 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<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.

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)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants



Version 6.0	Revision Date: 08/09/2021	SDS Number: 1579556-00013	Date of last issue: 10/21/2020 Date of first issue: 04/28/2017	
OSH/	A Z-3	: USA. Occupat eral Dusts	ional Exposure Limits (OSHA) - Table Z-3 Min-	
ACGIH / TWA		: 8-hour, time-weighted average		
NIOSH REL / TWA		: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek		
OSHA Z-1 / TWA		: 8-hour time we	: 8-hour time weighted average	
OSHA Z-3 / TWA		: 8-hour time we	eighted 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% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; 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 : compile the Material Safety	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-
Data Sheet	cy, http://echa.europa.eu/

Revision Date : 08/09/2021

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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



Version	Revision Date: 08/09/2021	SDS Number:	Date of last issue: 10/21/2020
6.0		1579556-00013	Date of first issue: 04/28/2017

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.

US / Z8