

ersion 0	Revision Date: 12/18/2020		Number: 000004899	Date of last issu Date of first issu	
ECTION	1. IDENTIFICATION				
Produ	ict name	:	TITANIUM D	IOXIDE 902	
Manu	facturer or supplier's	detail	S		
Comp Addre	oany name of supplier ess		The Woodlar TX 77380	lloch Forest Drive	
Telephone Telefax			(001) 844 831 6720 (001) 281 465 6731		
	il address of person nsible for the SDS	:	msds@vena	torcorp.com	
Emer	gency telephone numbe	er :		ida: +1-800-424-9300 CCN 820025]) Other Americas: +1-703-

Recommended use of the chemical and restrictions on use

Recommended use	:	Pigment
		Opacifying agent

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

Not a hazardous substance or mixture.

Other hazards

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
Chemical nature	:	inorganic

Components

Chemical name	CAS-No.	Concentration (% w/w)
Titanium dioxide	13463-67-7	90 - 100
aluminium oxide	1344-28-1	1 - 5
propylidynetrimethanol	77-99-6	0.1 - 1



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The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

: Do not leave the victim unattended.Treat symptomatically.	
 Remove person to fresh air. If signs/symptoms continue, get medical attention. If unconscious, place in recovery position and seek medical advice. 	
: Wash off with soap and water.	
Remove contact lenses. Protect unharmed eye.	s.
If conscious, make the victim drink the following: Give small amounts of water to drink. Do not induce vomiting without medical advice. Consult a physician if necessary.	
 Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. The product is not irritant but as with all fine powders can absorb moisture and natural oils from the surface of the skin during prolonged exposure. 	
	ıt
: No specific measures identified.	
	 If unconscious, place in recovery position and seek medical advice. Wash off with soap and water. Rinse immediately with plenty of water, also under the eyelide Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist. Rinse mouth with water. If conscious, make the victim drink the following: Give small amounts of water to drink. Do not induce vomiting without medical advice. Consult a physician if necessary. Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. The product is not irritant but as with all fine powders can absorb moisture and natural oils from the surface of the skin during prolonged exposure. Individuals with sensitive skin may experience skin drying on prolonged or repeated exposure. No action shall be taken involving any personal risk or withou suitable training.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media Unsuitable extinguishing media		Product is compatible with standard fire-fighting agents. High volume water jet
Specific hazards during firefighting	:	No information available.
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	Cool containers/tanks with water spray.
Further information	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. No action shall be taken involving any personal risk or without suitable training.



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for firefighters

Special protective equipment : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	 No action shall be taken involving any personal risk or without suitable training. Prevent unauthorised persons entering the zone. Avoid dust formation. Remove all sources of ignition. Ventilate the area. Keep people away from and upwind of spill/leak. Only qualified personnel equipped with suitable protective equipment may intervene. Never return spills in original containers for re-use. Treat recovered material as described in the section "Disposal considerations". For disposal considerations see section 13. The danger areas must be delimited and identified using relevant warning and safety signs.
Environmental precautions Methods and materials for containment and cleaning up	 Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities. Clean-up methods - small spillage Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. Clean-up methods - large spillage Approach release from upwind. Clean up promptly by sweeping or vacuum. Avoid creating dusty conditions and prevent wind dispersal. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Technical measures Local/Total ventilation Advice on protection against fire and explosion	 Ensure that eyewash stations and safety showers are close to the workstation location. Use only with adequate ventilation. Normal measures for preventive fire protection.
Advice on safe handling	 For personal protection see section 8. Avoid formation of respirable particles. Do not breathe vapours/dust. Smoking, eating and drinking should be prohibited in the application area. Manual handling guidelines should be adhered to when handling sacks. In the manufacture of titanium dioxide, product is packaged at temperatures of approximately 100 to 120° C (212 to 248° Fahrenheit). When pigment is shipped shortly after manufacture, it may stay hot for a very long time depending on ambient temperatures and inventory storage practices.



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	onditions for safe storage	 should be use applications. determine ha Emptying of f generate stat consult leafle Empty FIBC's Remove all w In all cases, t place during st to use. Care should k partly used pa When transfe earthing mea Store in accord Keep only in th away from oxik Keep in a dry p Keep cool. Pro Eliminate all is Keep containers wh upright to prev Use appropriat When using sta can be stacked Observe label 	exible intermediate bulk containers (FIBC's) can ic electricity. Customers using FIBC's should t "Tiotainer® Handling Guidelines". by gravity only (do not empty pneumatically). rapping prior to emptying FIBC's. he protective cover or wrapping should remain in storage and only be removed immediately prior be taken to avoid moisture, particularly with a allet of material. rring from one container to another apply sures and use conductive hose material. ance with the particular national regulations. he original container in a cool, well ventilated place dizing agents. blace. tect from sunlight. gnition sources if safe to do so. closed when not in use. ich are opened must be carefully resealed and kept ent leakage. e container to avoid environmental contamination. andard pallets, those containing paper or plastics bags to a maximum of 2 high.
Sto Fu	brage period rther information on brage stability	: 12 Months : Keep in a dry	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

•				
Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
aluminium oxide	1344-28-1	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Respirable particulate matter)	1 mg/m3 (Aluminium)	ACGIH

Components with workplace control parameters



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propy	lidynetrimethanol	77-99-6 PEL 0.56 mg/m3 (Respirable)					
Engineering measures		: Ensure adequate ventilation, especially in confined areas. Use engineering controls to keep exposures below the OEL or DNEL					
Perse	onal protective equip	ment					
Respiratory protection		: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where 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 provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied 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.					
Filter type Hand protection Directive		: P2 filter					
		: Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).					
Eye p	protection	 Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Ensure that eyewash stations and safety showers are close to the workstation location. 					
Skin	and body protection	 Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. 					
	ctive measures ene measures	 Wear suitable protective equipment. Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the application area. Wash face, hands and any exposed skin thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Wash hands before breaks and at the end of workday. 					

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder	
Colour	: white	
Odour	: odourless	
Odour Threshold	: No data is available on the product itse	elf.



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pН		:	4 - 8Concentratio	on: 10 %		
Melti	Melting point		> 1,832 °F / > 1,0	D° 000		
	Boiling point Flash point			ble on the product itself. ble on the product itself.		
Evap	oration rate	:	No data is availa	ble on the product itself.		
Flam	mability (solid, gas)	:	: Not expected to form explosive dust-air mixtures.			
Flam	mability (liquids)	:	No data is availal	ble on the product itself.		
	er explosion limit / Upper nability limit	:	No data is availal	ble on the product itself.		
	er explosion limit / Lower nability limit	:	No data is availal	ble on the product itself.		
Vapo	our pressure	:	No data is availal	ble on the product itself.		
Relat	tive vapour density	:	No data is availal	ble on the product itself.		
Relat	tive density	:	No data is availal	ble on the product itself.		
Dens	ity	:	No data is availal	ble on the product itself.		
	bility(ies) ater solubility	:	insoluble			
So	lubility in other solvents	:	No data is availal	ble on the product itself.		
	tion coefficient: n- nol/water	:	No data is availal	ble on the product itself.		
	-ignition temperature	:	No data is availal	ble on the product itself.		
Therr	mal decomposition	:	No data is availal	ble on the product itself.		
Visco	osity	:	No data is availal	ble on the product itself.		
Explo	osive properties	:	No data is availa	ble on the product itself.		
Oxidi	zing properties	:	No data is availal	ble on the product itself.		
Partic	cle size	:	No data is availa	ble on the product itself.		

SECTION 10. STABILITY AND REACTIVITY

l use.
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Incon Haza	Conditions to avoid Incompatible materials Hazardous decomposition products		No data availab None known. None known.	le	
SECTION	11. TOXICOLOGICAL I	NFC	ORMATION		
Inforr expo	nation on likely routes of sure	:	No data is availa	ble on the product itself.	
Acut	e toxicity				
Titan Acute	Components:Titanium dioxide:Acute oraltoxicityComponents <t< td=""><td>Test Guideline 425</td></t<>		Test Guideline 425		
Acute	aluminium oxide: Acute oral toxicityComponents		LD50 (Rat, male and female): > 10,000 mg/kg Method: OECD Test Guideline 401		
Acute	/lidynetrimethanol: e oral tyComponents	: LD50 (Rat, male): ca. 14,700 mg/kg Method: Limit Test			
Titan	<u>Components:</u> Titanium dioxide: Acute inhalation toxicity		LC50 (Rat, male Exposure time: 4 Test atmosphere Assessment: The inhalation toxicity	h :: dust/mist e substance or mixture has no acute	
	inium oxide: e inhalation toxicity	 LC50 (Rat, male and female): > 2.3 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity 		h :: dust/mist Fest Guideline 403 e substance or mixture has no acute	
Titan	ponents: ium dioxide : e dermal toxicity	:	LD50 Dermal (Ra	abbit): > 10,000 mg/kg	
	vlidynetrimethanol:	:	: LD50 (Rabbit): > 10,000 mg/kg		



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Method: OECD Test Guideline 402

Acute toxicity (other routes of : No data available administration)

Skin corrosion/irritation

Components:

Titanium dioxide: Species: Rabbit Assessment: No skin irritation Method: OECD Test Guideline 404 Result: Normally reversible injuries

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

propylidynetrimethanol: Species: Rabbit Result: No skin irritation

Serious eye damage/eye irritation

Components:

Titanium dioxide: Species: Rabbit Result: Normally reversible injuries Assessment: No eye irritation Method: OECD Test Guideline 405

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

propylidynetrimethanol: Species: Rabbit Result: No eye irritation

Respiratory or skin sensitisation

Components:

Titanium dioxide: Test Type: Local lymph node assay (LLNA) Exposure routes: Skin Species: Mouse Assessment: Does not cause skin sensitisation. Method: OECD Test Guideline 429 Result: Does not cause skin sensitisation.



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Exposure routes: Skin Species: Guinea pig Assessment: Does not cause skin sensitisation. Method: OECD Test Guideline 406 Result: Does not cause skin sensitisation.

aluminium oxide: Exposure routes: Skin Species: Guinea pig Result: Does not cause skin sensitisation.

propylidynetrimethanol: Exposure routes: Skin Species: Mouse Method: OECD Test Guideline 429 Result: Does not cause skin sensitisation.

Components:

Titanium dioxide: Assessment:	No skin irritation, No eye irritation Does not cause skin sensitisation., Does not cause respiratory sensitisation.		
Germ cell mutagenicity			
Components:			
Titanium dioxide: Genotoxicity in vitro	: Test Type: Ames test Concentration: 100 - 200 ug/plate Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative		
	Test Type: In vitro mammalian cell gene mutation test Concentration: 31 - 500 μ g/L Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative		
	Test Type: Chromosome aberration test in vitro Concentration: 125 - 2500 µg/L Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative		
Components:			
Titanium dioxide: Genotoxicity in vivo	: Test Type: Micronucleus test Species: Mouse (males) Application Route: Inhalation Exposure time: 5 consecutive days Dose: 0.8, 7.2, and 28.5 mg/m ³ Method: OECD Test Guideline 474 Result: negative		
	Test Type: Micronucleus test		



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			: Oral
Titani Germ	oonents: um dioxide: cell mutagenicity- sment		l or mammalian cell cultures did not show ., Animal testing did not show any mutagenic
	cell mutagenicity- sment	: No data available	

Carcinogenicity

Components:

Titanium dioxide: Species: Rat, male and female Application Route: Oral Exposure time: 103 weeks Dose: 0, 25000, 50000 ppm Frequency of Treatment: 7 days/week NOAEL: > 50.000 ppm

Method: No information available.

Remarks: Titanium Dioxide: based on the results of chronic inhalation studies (with positive results only in a single species - rat), IARC has concluded that: "There is inadequate evidence in humans for the carcinogenicity of titanium dioxide." but that : "There is sufficient evidence in experimental animals for carcinogenicity of titanium dioxide". IARCs overall evaluation was that "titanium dioxide is possibly carcinogenic to humans (Group 2B)."

Venator has examined all of the available animal carcinogenicity and mechanistic data together with workplace epidemiology data for titanium dioxide and concludes that the weight of scientific evidence indicates that there is no causative link between titanium dioxide exposure and cancer risk in humans and that workplace exposures in compliance with applicable exposure standards will not result in lung cancer or chronic respiratory diseases in humans.

Components:

Titanium dioxide: Carcinogenicity - Assessment	: Not classifiable as a human carcinogen.
IARC	Group 2B: Possibly carcinogenic to humans Titanium dioxide
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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NTP			this product present at levels greater than or dentified as a known or anticipated carcinogen
<u>Com</u> alumi	oductive toxicity ponents: inium oxide: ts on fertility	Method: OEC	
propy	/lidynetrimethanol:	Species: Rat, i Application Ro Dose: 12.5 - 5 General Toxici 200 mg/kg bod General Toxici mg/kg body we Fertility: No ob weight	male and female ute: Oral 0 - 200 - 800 milligram per kilogram ity - Parent: No observed adverse effect level: dy weight ty F1: No observed adverse effect level: 800
Titani Effec	ponents: ium dioxide: ts on foetal opment	Application Ro Dose: 100, 300 Duration of Sir Frequency of General Toxici 1,000 mg/kg b Developmenta 1,000 mg/kg b	D, and 1000 mg/kg bw/ ngle Treatment: 20 d Freatment: 7 days/week ty Maternal: No observed adverse effect level: ody weight I Toxicity: No observed adverse effect level: ody weight D Test Guideline 414
alumi	inium oxide:	266 mg/kg boo Method: OECI	ty Maternal: No observed adverse effect level:
ргору	/lidynetrimethanol:		



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		100 mg/kg boo	I Toxicity: No observed adverse effect level:
		General Toxic >= 450 mg/kg Developmenta 450 mg/kg boo	oute: Oral ngle Treatment: 22 d ity Maternal: No observed adverse effect level: body weight Il Toxicity: No observed adverse effect level: >=
		Application Rc General Toxic 800 mg/kg boo Developmenta 800 mg/kg boo	ity Maternal: No observed adverse effect level: dy weight Il Toxicity: No observed adverse effect level:
Cor	nponents:		
Tita Rep	nium dioxide: roductive toxicity - essment		f adverse effects on sexual function and fertility nent, based on animal experiments.
Rep	oylidynetrimethanol: roductive toxicity - essment	fertility, and/or	e of adverse effects on sexual function and on development, based on animal Suspected of damaging fertility. Suspected of unborn child.
		assessments a and regulatory Venator conclu requirements a	conducted extensive exposure risk and undertaken in-depth consultation with legal r experts. As a result of these assessments udes that the classification and labelling applicable in the USA and Canada do not apply ducts containing propylidynetrimethanol (TMP)
STO)T - single exposure		
	data available		
	DT - repeated exposure data available		
Rep	eated dose toxicity		
-	nponents:		



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Species: Rat, male and female : 3500 mg/m3 Application Route: Ingestion Test atmosphere: dust/mist Exposure time: 2 yr Number of exposures: 5 d Method: Chronic toxicity

Species: Rat, male and female : 10 - 50 mg/m3 Application Route: Inhalation Exposure time: 2 yr Number of exposures: 6 hours/day, 5 days/week Method: Chronic toxicity

propylidynetrimethanol: Species: Rat, male and female NOAEL: 67 mg/kg Application Route: Ingestion Exposure time: 90 d Method: Subchronic toxicity

Components:

Titanium dioxide:Repeated dose toxicity -AssessmentNo adverse effect has been observed in chronic toxicity tests.

Aspiration toxicity

No data available

Experience with human exposure

General Information:No data availableInhalation:No data availableSkin contact:No data availableEye contact:No data availableIngestion:No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information



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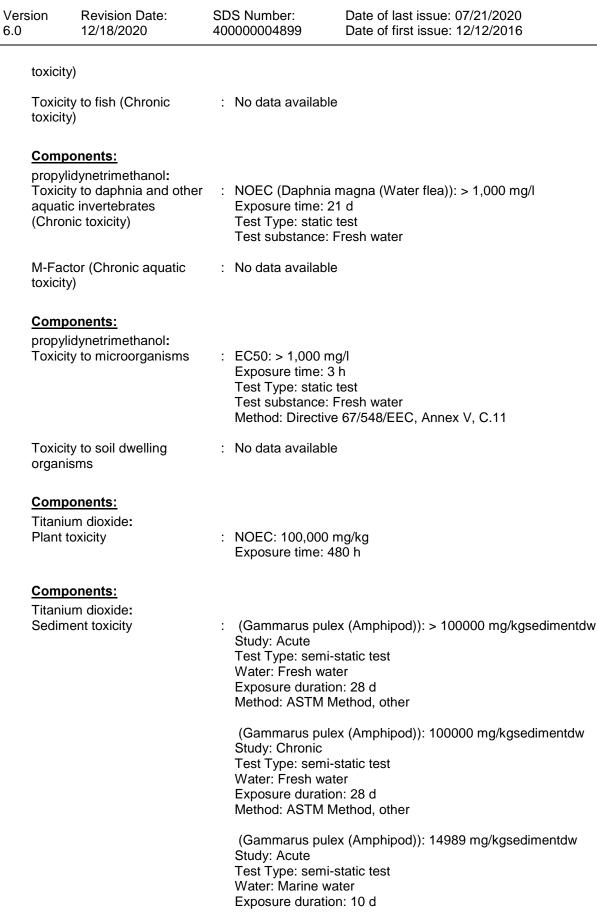
Ingestion:

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
Components: Titanium dioxide: Toxicity to fish	:	LC50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l Exposure time: 96 h Test Type: semi-static test Test substance: Marine water Method: OECD Test Guideline 203
aluminium oxide: Toxicity to fish	:	LC50 (Fish): > 50 mg/l Exposure time: 96 h Test Type: static test Test substance: Fresh water
propylidynetrimethanol: Toxicity to fish	:	LC50: > 1,000 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
Components: aluminium oxide: Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
propylidynetrimethanol: Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 13,000 mg/l Exposure time: 48 h Test Type: static test Test substance: Fresh water
<u>Components:</u> aluminium oxide: Toxicity to algae/aquatic plants	:	IC50 (Selenastrum capricornutum (green algae)): > 100 mg/l Exposure time: 72 h
propylidynetrimethanol: Toxicity to algae/aquatic plants	:	EbC50 (Selenastrum capricornutum (green algae)): > 1,000 mg/l Exposure time: 72 h Test substance: Fresh water Method: OECD Test Guideline 201
M-Factor (Acute aquatic	:	No data available





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Titaniu Toxici organ		:	NOEC: 10,000 r Exposure time: (
	xicology Assessment			
alumir	nium oxide: aquatic toxicity	:	This product has	s no known ecotoxicological effects.
alumir	oonents: nium oxide:		-	
	ic aquatic toxicity		·	s no known ecotoxicological effects.
Toxici	ty Data on Soil	:	No data availabl	le
	organisms relevant to wironment	:	No data availabl	le
	stence and degradabil gradability - Product	l ity		nethods for determining biodegradability are
	emical Oxygen Ind (BOD)	:	No data availabl	le
Chem (COD	ical Oxygen Demand)	:	No data availabl	le
BOD/	COD	:	No data availabl	le
ThOD	•	:	No data availabl	le
BOD/	ThOD	:	No data availabl	le
Dissol (DOC	lved organic carbon)	:	No data availabl	le
	co-chemical /ability	:	No data availabl	le
Stabili	ity in water	:	No data availabl	le
Photo	degradation	:	No data availabl	le
Impac Treatr	et on Sewage ment	:	No data availabl	le
Bioac	cumulative potential			
Titaniu	<u>oonents:</u> um dioxide: cumulation	:	Species: Oncort	nynchus mykiss (rainbow trout)

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			Bioconcentration Exposure time: 14 Test substance: F Method: semi-stat Remarks: Does n	resh water tic test
	idynetrimethanol: cumulation		Exposure time: 42 Test substance: M Method: flow-thro	factor (BCF): < 17 2 d Marine water
propyl Partitio	onents: idynetrimethanol: on coefficient: n- ol/water	:	log Pow: -0.47 (79	9 °F / 26 °C)
Mobil i Mobili	i ty in soil ty	:	No data available	
Titaniı Distrib	onents: um dioxide: oution among nmental compartments	:	Remarks: No data	a available
	ty in soil	:	No data available	
	adverse effects Inmental fate and ays	:	No data available	
Result asses	ts of PBT and vPvB sment	:	No data available	
Endoc potent	rine disrupting ial	:	No data available	
	bed organic bound ens (AOX)	:	No data available	
Hazar	dous to the ozone laye	ər		
Ozone	e-Depletion Potential		Protection of Stra Substances Remarks: This pro manufactured with	R Protection of Environment; Part 82 tospheric Ozone - CAA Section 602 Class I oduct neither contains, nor was h a Class I or Class II ODS as defined by the t Section 602 (40 CFR 82, Subpt. A, App.A +
Additio inform	onal ecological ation	:	No data available	

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Global warming potential (GWP)

: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	: The product should not be allowed to enter drains, water courses or the soil.
	This material and its container must be disposed of in a safe way.
	In accordance with local and national regulations.
	Dispose of wastes in an approved waste disposal facility.
	If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

National Regulations

DOT Classification

Not regulated as dangerous goods

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

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

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.

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean



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Air Act Section 112 (40 CFR 61).

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. Titanium dioxide (airborne, unbound particles of respirable size) is known to the state of California to cause cancer. This listing does not cover titanium dioxide when it remains bound within a product matrix.

WARNING: This product can expose you to chemicals including Arsenic (As), Cadmium (Cd), Chromium VI (Cr6+), Cobalt (Co), Lead (Pb), Mercury (Hg) and Nickel (Ni), present as trace impurities and not intentionally added, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

DSL :	On the inventory, or in compliance with the inventory All components of this product are on the Canadian DSL
AICS :	On the inventory, or in compliance with the inventory
NZIoC :	On the inventory, or in compliance with the inventory
	On the inventory, or in compliance with the inventory
KECI :	On the inventory, or in compliance with the inventory
	On the inventory, or in compliance with the inventory
IECSC :	On the inventory, or in compliance with the inventory
TCSI :	On the inventory, or in compliance with the inventory
TSCA :	All substances listed as active on the TSCA inventory

Inventories

AICS (Australia), AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

TSCA - 5(a) Significant New Use Rule List of Chemicals

No substances are subject to a Significant New Use Rule.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

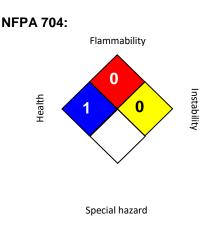
No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information



Version Revision Date:	SDS Number:
6.0 12/18/2020	400000004899



HMIS® IV:



Date of last issue: 07/21/2020 Date of first issue: 12/12/2016

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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LABEL CODE : N/A

Sources of key data used to compile the Safety Data Sheet	:	Information taken from reference works and the literature., Information derived from practical experience.
Revision Date	:	12/18/2020
ACGIH OSHA Z-1		USA. ACGIH Threshold Limit Values (TLV) USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA OSHA Z-1 / TWA	:	8-hour, time-weighted average 8-hour time weighted average

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Version	Revision Date:	SDS Number:
6.0	12/18/2020	40000004899

Date of last issue: 07/21/2020 Date of first issue: 12/12/2016

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