SAFETY DATA SHEET



Date of issue 26 April 2024

Version 10.01

Section 1. Product and company identification

Product name
Product code
Other means of identification
Product type

- : SIGMADUR ONE GREEN 4171
- : 00322210
- n : Not available.
 - : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Coating. Paints. Painting-related materials.

Uses advised against	Reason
Not applicable.	

Supplier's details:	
Supplier	 PPG Industries Colombia Ltda Calle 51 # 40-13 Municipio de Itagüí Antioquia, Colombia (57) (4) 3787400 (Porteria)
Email address:	: HazComLatam@ppg.com
Emergency telephone number	: Colombia: 01 8000 916012 (CISPROQUIM) + 571 288 6012 (CISPROQUIM) Ecuador: 1800-59-3005 (CISPROQUIM) Peru: 080-050-847 (CISPROQUIM)

Section 2. Hazards identification

Classification of the substance or mixture	: FLAMMABLE LIQUIDS - Category 3 EYE IRRITATION - Category 2A
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 1B
	TOXIC TO REPRODUCTION - Category 1B
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract
	irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	AQUATIC HAZARD (ACUTE) - Category 3
	AQUATIC HAZARD (LONG-TERM) - Category 3

	English	(US)	Colombia
--	---------	------	----------

Code 00322210 Product name		Date of issue NE GREEN 4171	26 April 2024	Version	10.01
Section 2. H	lazards	identification			
Target organs	:	Contains material which causes nervous system (CNS). Contains material which may cau the reproductive system, liver, he	use damage to the follow	ing organs: kidn	eys, lungs
		Percentage of the mixture consis aquatic environment: 43.8%	sting of ingredient(s) of u	nknown hazards	to the
GHS label elements	<u>s</u>				
Hazard pictogram	is :				
Signal word	:	Danger			
Hazard statement	s :	Flammable liquid and vapor. May cause an allergic skin reacti Causes serious eye irritation. May cause respiratory irritation. May cause cancer. May damage fertility or the unbor May cause damage to organs the nervous system (CNS)) Harmful to aquatic life with long I	rn child. rough prolonged or repea	ated exposure. (central
Precautionary sta	tements	1 5	5		
Prevention	:	Obtain special instructions before and eye or face protection. Keep flames and other ignition sources ventilating or lighting equipment. static discharges. Avoid release	o away from heat, hot su s. No smoking. Use exp Use non-sparking tools	rfaces, sparks, c losion-proof elec . Take action to	open ctrical, prevent
Response	:	IF exposed or concerned: Get m POISON CENTER or doctor if yo wash it before reuse. IF ON SKI rash occurs: Get medical advice water for several minutes. Remo Continue rinsing. If eye irritation	ou feel unwell. Take off on N: Wash with plenty of w or attention. IF IN EYES we contact lenses, if pres	contaminated clo vater. If skin irrit S: Rinse cautious sent and easy to	othing and ation or sly with do.
Storage	:		•		
Disposal	:	Dispose of contents and containe and international regulations.	er in accordance with all	local, regional, r	national
Other hazards which	ch do not :			-	lational

result in classification

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: Not available.

CAS number/other identifiers

CAS number

: Not applicable.

2/14

Version

10.01

Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Naphtha (petroleum), hydrotreated heavy	20 - <30	64742-48-9
titanium dioxide	10 - <12.5	13463-67-7
barium sulfate	7 - <10	7727-43-7
Solvent naphtha (petroleum), medium aliph.	7 - <10	64742-88-7
2-ethylhexanoic acid	2 - <3	149-57-5
Solvent naphtha (petroleum), heavy arom.	1 - <2	64742-94-5
1-methoxy-2-propanol	1 - <2	107-98-2
2-ethylhexanoic acid, zirconium salt	0.2 - <0.5	22464-99-9
calcium bis(2-ethylhexanoate)	0.2 - <0.5	136-51-6
2-butanone oxime	0.1 - <0.2	96-29-7
cobalt bis(2-ethylhexanoate)	0.1 - <0.2	136-52-7
nonane	0.1 - <0.2	111-84-2

Date of issue

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

Section 4. First aid measures

Description of necessary fi	rst ai	id measures
Eye contact	:	Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	:	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Indication of immediate me	dica	attention and special treatment needed, if necessary
Notes to physician Specific treatments		Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Potential acute health effect	<u>ts</u>	
Eye contact	1	Causes serious eye irritation.
Inhalation	1	May cause respiratory irritation.
Skin contact		Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
Ingestion	1	No known significant effects or critical hazards.

See toxicological information (Section 11)

SIGMADUR ONE GREEN 4171

Date of issue

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides sulfur oxides metal oxide/oxides
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
Methods and materials for co	on	tainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools

Stop leak it without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non- combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe : handling	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.
Conditions for safe storage, : including any incompatibilities	Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters Occupational exposure limits

Section 8. Exposure controls/personal protection

			Exposure limits	
titanium dioxide		ACGIH TLV (United States, 1/2023). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles		
barium sulfate			ACGIH TLV (United States, 1/2023). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction	
Solvent naphtha (petroleum)	, m	edium aliph.	ACGIH TLV (United States).	
2-ethylhexanoic acid			TWA: 400 ppm ACGIH TLV (United States, 1/2023). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction and vapor	
1-methoxy-2-propanol			ACGIH TLV (United States, 1/2023). STEL: 369 mg/m ³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 184 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.	
Recommended monitoring procedures	:		briate monitoring standards. Reference to those for the determination of hazardous	
Appropriate engineering controls	:	ventilation or other engineering contra contaminants below any recommend	Jse process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering contro concentrations below any lower explosive n equipment	
Environmental exposure controls	:	 Emissions from ventilation or work process equipment should be checked to ensuthey comply with the requirements of environmental protection legislation. In som cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. 		
dividual protection measur	res			
Hygiene measures		before eating, smoking and using the Appropriate techniques should be us Contaminated work clothing should n contaminated clothing before reusing showers are close to the workstation	oughly after handling chemical products, a lavatory and at the end of the working period ed to remove potentially contaminated clothin not be allowed out of the workplace. Wash g. Ensure that eyewash stations and safety location.	
Eye protection	1	Chemical splash goggles.		
Skin protection	1.1	Chemical-resistant, impervious glove		
Skin protection Hand protection		this is necessary. Considering the pa check during use that the gloves are should be noted that the time to brea different for different glove manufacture	es complying with an approved standard shoul nemical products if a risk assessment indicate arameters specified by the glove manufacture still retaining their protective properties. It kthrough for any glove material may be urers. In the case of mixtures, consisting of ne of the gloves cannot be accurately	

10.01

Section 8. Exposure controls/personal protection

	• •
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

Appearance					
Physical state	1	Liquid.			
Color	4	Green.			
Odor	4	Aromatic.			
рН	4	Not applicable.			
Melting point	1	Not available.			
Boiling point	1	>37.78°C (>100°F)			
Flash point	:	Closed cup: 41°C (105.8°F	F)		
Evaporation rate	:	Not available.			
Flammability (solid, gas)	1	Not available.	Not available.		
Lower and upper explosive (flammable) limits	1	Not available.			
Vapor pressure	:	Not available.			
Vapor density	:	Not available.			
Relative density	:	1.12			
Solubility(icc)		Media	Result		
Solubility(ies)	•	old water	Not soluble		
Partition coefficient: n- octanol/water	:	Not applicable.			
Auto-ignition temperature	1	Not available.			
Decomposition temperature	:	Not available.			
Viscosity	:	Kinematic (40°C (104°F)):	>21 mm²/s (>21 cSt)		

SIGMADUR ONE GREEN 4171

Date of issue

26 April 2024

10.01

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides sulfur oxides metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity					
Product/ingredient name	Result	Species	Dose	Exposure	
Naphtha (petroleum), hydrotreated heavy	LD50 Dermal	Rabbit	>5000 mg/kg	-	
	LD50 Oral	Rat	>6 g/kg	-	
titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours	
	LD50 Dermal	Rabbit	>5000 mg/kg	-	
	LD50 Oral	Rat	>5000 mg/kg	-	
barium sulfate	LD50 Dermal	Rat	>2000 mg/kg	-	
	LD50 Oral	Rat	>5000 mg/kg	-	
Solvent naphtha (petroleum), medium aliph.	LD50 Dermal	Rabbit	>3000 mg/kg	-	
	LD50 Oral	Rat	>5000 mg/kg	-	
2-ethylhexanoic acid	LD50 Dermal	Rat	>2000 mg/kg	-	
	LD50 Oral	Rat	3640 mg/kg	-	
Solvent naphtha (petroleum),	LC50 Inhalation Dusts and mists	Rat	>5.2 mg/l	4 hours	
heavy arom.					
	LD50 Oral	Rat	>5 g/kg	-	
1-methoxy-2-propanol	LC50 Inhalation Vapor	Rat	>7000 ppm	6 hours	
	LD50 Dermal	Rabbit	13 g/kg	-	
	LD50 Oral	Rat	5.2 g/kg	-	
2-ethylhexanoic acid, zirconium salt	LD50 Dermal	Rabbit	>5 g/kg	-	
	LD50 Oral	Rat	>5 g/kg	-	
2-butanone oxime	LD50 Dermal	Rabbit	1100 mg/kg	-	
	LD50 Oral	Rat	100 mg/kg	-	
cobalt bis(2-ethylhexanoate)	LD50 Dermal	Rabbit	>5 g/kg	-	
	LD50 Oral	Rat	3129 mg/kg	-	
nonane	LC50 Inhalation Gas.	Rat	3200 ppm	4 hours	
	LC50 Inhalation Vapor	Rat	16790 mg/m ³	4 hours	

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Section 11. Toxicological information

Not available.

Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Eyes	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Sensitization	
Not available.	
Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Not available.	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Not available.	

Conclusion/Summary

: There are no data available on the mixture	e itself.
--	-----------

Classification

Product/ingredient name	OSHA	IARC	NTP
Manium dioxide cobalt bis(2-ethylhexanoate) titanium dioxide (<10 microns)	-	2B 2B 2B	- Reasonably anticipated to be a human carcinogen. -

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

Not available.

Conclusion/Summary : There are no data available on the mixture itself.

Teratogenicity

Not available.

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
	English	(US) Colombia	9/14

Code 00322210 Product name SIGMADUR ONE GREEN 417	Date of issue 1	26 April 2024	Version 10.01
Section 11. Toxicological i	nformation		
Naphtha (petroleum), hydrotreated heavy	Category	/ 3 -	Respiratory tract irritation
Solvent naphtha (petroleum), medium aliph.	Category	- 3	Narcotic effects
Solvent naphtha (petroleum), heavy arom.	Category		Narcotic effects
1-methoxy-2-propanol	Category	/3 -	Narcotic effects
2-butanone oxime	Category	/ 1 -	upper respiratory tract

Category 3

Category 3

nonane

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
Solvent naphtha (petroleum), medium aliph.	Category 1		central nervous system (CNS)
2-butanone oxime	Category 2		blood system

Target organs

: Contains material which causes damage to the following organs: brain, skin, central nervous system (CNS). Contains material which may cause damage to the following organs: kidneys, lungs, the reproductive system, liver, heart, upper respiratory tract, eye, lens or cornea.

Aspiration hazard

Name	Result
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), medium aliph.	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), heavy arom.	ASPIRATION HAZARD - Category 1
nonane	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	:	Not available.
Potential acute health effec	<u>ts</u>	
Eye contact	:	Causes serious eye irritation.
Inhalation	1	May cause respiratory irritation.
Skin contact	:	Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
Ingestion		No known significant effects or critical hazards.
Eye contact		Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations
		English (US) Colombia 10/14

Narcotic effects

Narcotic effects

26 April 2024

10.01

Section 11. Toxicological information

Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary	There are no data available on the mixture itself. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropri personal protective equipment and/or engineering controls (see Section 8). Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvapors in combination with constant loud noise can cause greater hearing loss the expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea a vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure oral, inhalation and dermal routes of exposure and eye contact.	iate s liver lvent han and
Short term exposure		
Potential immediate effects	There are no data available on the mixture itself.	
Potential delayed effects	There are no data available on the mixture itself.	
Long term exposure		
Potential immediate effects	There are no data available on the mixture itself.	
Potential delayed effects	There are no data available on the mixture itself.	
Potential chronic health eff	<u>S</u>	
Not available.		
General	May cause damage to organs through prolonged or repeated exposure. Prolong or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.	ged
Carcinogenicity	May cause cancer. Risk of cancer depends on duration and level of exposure.	

English (US)	Colombia	11/14
• • • •		

10.01

Section 11. Toxicological information

Mutagenicity

: No known significant effects or critical hazards.

Reproductive toxicity : May damage fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
SIGMADUR ONE GREEN 4171	139637.9	9800.5	N/A	N/A	N/A
barium sulfate	N/A	2500	N/A	N/A	N/A
Solvent naphtha (petroleum), medium aliph.	N/A	2500	N/A	N/A	N/A
2-ethylhexanoic acid	3640	2500	N/A	N/A	N/A
1-methoxy-2-propanol	5200	13000	N/A	N/A	N/A
2-butanone oxime	100	1100	N/A	N/A	N/A
cobalt bis(2-ethylhexanoate)	3129	N/A	N/A	N/A	N/A
nonane	N/A	N/A	3200	16.79	N/A

Other information

: Not available.

Section 12. Ecological information

Ecotoxicity

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
Solvent naphtha (petroleum), heavy arom.	NOEL 0.48 mg/l Fresh water	Daphnia	21 days
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l Fresh water	Fish	96 hours
2-ethylhexanoic acid, zirconium salt	Acute LC50 >100 mg/l	Fish	96 hours

Persistence/degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-ethylhexanoic acid	2.7	-	Low
Solvent naphtha (petroleum),	2.8 to 6.5	-	High
heavy arom.			
1-methoxy-2-propanol	<1	-	Low
2-butanone oxime	0.63	5.01	Low
nonane	5.65	-	High

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

English (US) C

SIGMADUR ONE GREEN 4171

Date of issue

Version

10.01

Section 12. Ecological information

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	UN	Brazil (ANTT)	IMDG	ΙΑΤΑ
UN number	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3
Packing group	III	Ш	III	
Environmental hazards	No.	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.

Additional information

UN	: None identified.
Brazil	: None identified.
Risk number	: 30
IMDG	: None identified.
ΙΑΤΑ	: None identified.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

English (US) Colo

26 April 2024

10.01

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product : No known specific national and/or regional regulations applicable to this product (including its ingredients).

Section 16. Other information

History

Date of previous issue	3/1/2022
Version	10.01
	EHS
Key to abbreviations	 ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods
References	UN = United Nations ABNT NBR 14725-4: 2014
	ANTT - National Land Transportation Agency

Indicates information that has changed from previously issued version.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.