# **SAFETY DATA SHEET**



#### The information in this Safety Data Sheet is required pursuant to Hazardous Product Regulations 2015.

Date of issue/Date of revision 1 February 2024 Version 15.02

Section 1. Identification		
Product name	: SIGMADUR 540 BASE	
Product code	: 00202801	
Other means of identification	: Not available.	
Product type	: Liquid.	
Relevant identified uses of	f the substance or mixture and uses advised against	
Product use	: Professional applications, Used by spraying.	
Use of the substance/ mixture	: Coating.	
Uses advised against	: Not applicable.	
Supplier	<ul> <li>PPG Architectural Coatings Canada, Inc.</li> <li>1550, rue Ampère, bureau 500</li> <li>Boucherville (Québec) J4B 7L4</li> <li>Canada</li> <li>+1 450-655-3121</li> </ul>	
Emergency telephone number	PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272 : (412) 434-4515 (U.S.) (514) 645-1320 (Canada)	
	SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)	
Technical Phone Number	: 888-977-4762	

# Section 2. Hazard identification

Classification of the substance or mixture	: FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 Health Hazards Not Otherwise Classified - Category 1
	Health Hazards Not Otherwise Classified - Category 1

Product name SIGMADUR 540 BASE

### Section 2. Hazard identification

This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. 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 to 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 appropriate personal protective equipment and/or engineering controls (see Section 8).

#### GHS label elements Hazard pictograme

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	Flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. (hearing organs) Prolonged or repeated contact may dry skin and cause irritation.
Precautionary statements		
Prevention	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapor. Wash thoroughly after handling.
Response	:	IF exposed or concerned: Get medical advice or attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	:	Store locked up.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. Fercentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 25% (oral), 26.6% (dermal), 35.1% (inhalation)

Product code 00202801 Product name SIGMADUR 540 BASE

# Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Product name	: SIGMADUR 540 BASE
Other means of identification	: Not available.

### **CAS number/other identifiers**

Ingredient name	Synonyms	% (w/w)	CAS number
₩anium dioxide	Titanium oxide; Titanium oxide (TiO2); CI 77891; Titanium peroxide; Rutile; C.I. Pigment White 6; titanium dioxide coated with isopropoxytitanium triisostearate, containing by weight 1,5 % or more but not more than 2,5 % of isopropoxytitanium triisostearate; glass flakes (CAS RN 65997-17-3): — of a thickness of 0,3 µm or more but not more than 10 µm, and — coated with titanium dioxide (CAS RN 13463-67-7) or iron oxide (CAS RN 18282- 10-5); titanium dioxide, other than those of heading 3206 11 00; C.I. 77891; E 171; titanium(IV) oxide, other than those of heading 3206 11 00		13463-67-7
n-butyl acetate	Acetic acid, butyl ester; Butyl Acetate; n- Butyl-acetate; Butyl ethanoate; n-Butyl ester of acetic acid; product composed of hydrocarbons (predominantly paraffinic and naphthenic) and n-butyl acetate; 1-butyl acetate; 1-Acetoxybutane; Butyl ester, Acetic acid; normal butyl acetate; Acetic acid, n-butyl ester	7 - 13*	123-86-4
xylene	Benzene, dimethyl-; Xylol; Benzene, dimethyl-, mixed isomers; xylene, mixed isomers, pure; xylene, crude; Benzene, dimethyl-,; Xylene (mixed); xylene (total); Xylenes; Dimethylbenzene; XYLENES (Isomer Mixture)	5 - 10*	1330-20-7
barium sulfate	Sulfuric acid, barium salt (1:1); CI 77120; Barytes; Barium salt of sulfuric acid; Barite; Artificial barite; barium sulphate; C I. Pigment White 21; barium sulfate, natural; blanc fixe; C.I. 77120	3 - 7*	7727-43-7
2-methylpropan-1-ol	iso-butanol; 1-Propanol, 2-methyl-; Isobutyl alcohol; Isobutanol; 2-Methyl- 1-propanol; Isopropylcarbinol; IBA; i-Butyl alcohol; catalyst consisting predominantly of dinonylnaphthalenedisulphonic acid in the form of a solution in isobutanol; isobutanol; iso-butanol; Isobutyl alcohol (I, T)		78-83-1
	I	1	Canada Page: 3/21

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### Section 3. Composition/information on ingredients

Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1)Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1); Glycerol, propylene oxide, ethylene oxide, propylene oxide, ethylene oxide, ethylene oxide, propylene oxide, ethylene oxide, ethylene oxide, propylene oxide, ethylene oxide, ethylene oxide, ethylene oxide, ethyleneoxide, ethylene oxide, et	dimethyl glutarate	Pentanedioic acid, 1,5-dimethyl ester; Pentanedioic acid, dimethyl ester; glutaric acid dimethyl ester; Dimethyl pentanedioate; Glutaric acid, dimethyl ester; Pentanedioic acid dimethyl ester; GLUTARATE, DIMETHYL; DIMETHYLL GLUTARATE; Methyl glutarate	1 - 5*	1119-40-0
aromaticSolvent naphtha (petroleum), light arom; Solvent naphtha, petroleum, light aromatic, Xromatic hydrocarbon solvents - medium flashpoint; Light aromatic solvent naphtha; Solvent naphtha, light aromatic; Solvent naphtha; Solvent naphtha (petroleum), light aromatic; Light aromatic solvent naphtha (petroleum) (C8 to C10); Solvent naphtha, petroleum, light arom; AROMATIC PETROLLEM DISTILLATE; SOLVENT, AROMATIC PETROLEUM1 - 5*108-65-62-methoxy-1-methylethyl acetate2-Propanol, 1-methoxy-, 2-acetate; Propylene glycol monomethyl ether acetate; 2-Propanol, 1-methoxy-, acetate; 1-Methoxy-2-propanol, acetate; 1-Methoxy-2-propanol, acetate; 1-Methoxy-2-propanol, acetate; 1-Methoxy-2-propanol, acetate; 1-Methoxy-2-propanol, acetate; 	oxirane, ether with 1,2,3-propanetriol	Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1); Glycerol, propylene oxide, ethylene oxide polymer; Glycerol, ethylene oxide, propylene oxide polymer; Glycerol poly (oxyethylene, oxypropylene) ether; 1,2,3-Propanetriol, polymer with methyloxirane and oxirane; Polyglycol 112-2; Polyglycol 15-200; methyl oxirane polymer with oxirane, ether with 1,2,3-propanetriol; poly(propyleneoxy/ ethyleneoxy)glycerol; Propylene oxide, ethylene oxide, glycerol adduct; Methyloxirane polymer with oxirane, ether	1 - 5*	9082-00-2
Propylene glycol monomethyl ether acetate; 2-Propanol, 1-methoxy-, acetate; 1-Methoxy-2-propanol, acetate; 2-Acetoxy-1-methoxypropane; Propylene glycol monoethyl ether acetate; Propylene glycol methyl ether acetate; 1-Methoxy- 2-propanol acetate; 11-Methoxy- 2-propanol acetate; 11-Methoxy- 2-propyl acetate (CAS RN 108-65-6); Acetic acid, 2-methoxy-1-methylethyl esterethylbenzeneBenzene, ethyl-; Phenylethane; Ethylbenzol; photosensitive emulsion1-5*100-41-4		Solvent naphtha (petroleum), light arom; Solvent naphtha, petroleum, light aromatic; Aromatic hydrocarbon solvents - medium flashpoint; Light aromatic solvent naphtha; Solvent naphtha, light aromatic; Solvent naphtha (petroleum), light aromatic; Light aromatic solvent naphtha (petroleum) (C8 to C10); Solvent naphtha, petroleum, light arom.; AROMATIC PETROLUEM DISTILLATE; SOLVENT,	1 - 5*	64742-95-6
Ethylbenzol; photosensitive emulsion	2-methoxy-1-methylethyl acetate	Propylene glycol monomethyl ether acetate; 2-Propanol, 1-methoxy-, acetate; 1-Methoxy-2-propanol, acetate; 2-Acetoxy-1-methoxypropane; Propylene glycol monoethyl ether acetate; Propylene glycol methyl ether acetate; 1-Methoxypropyl-2-acetate; 1-Methoxy- 2-propanol acetate; light stabiliser containing: — branched and linear alkyl esters of 3-(2H-benzotriazolyl)-5- (1,1-dimethylethyl) -4-hydroxybenzenepropanoic acid (CAS RN 127519-17-9), and — 1-methoxy- 2-propyl acetate (CAS RN 108-65-6);	1 - 5*	108-65-6
	ethylbenzene	Ethylbenzol; photosensitive emulsion	1 - 5*	100-41-4

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# Section 3. Composition/information on ingredients

		(	Canada	Page: 5/21
propylidynetrimethanol	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl) -; 1,1,1-Trimethylolpropane; Propane, 1,1,1-tris(hydroxymethyl)-; trimethylolpropane; 2-ethyl- 2-hydroxymethylpropane-1,3-diol; 2-Ethyl- 2-hydroxymethyl-1,3-propanediol;	0.1 - 1*	77-99-6	
Hexanoic acid, 2-ethyl-, zinc salt, basic	Basic zinc salt of 2-ethylhexanoic acid; Aliphatic monocarboxylic acid (C6-28) salt (Pb, Cu, Mn, Zn, Zr, Ce, Cd, Sn, Sr, Co); 2-Ethylhexanoic acid zinc salt, basic	0.1 - 1*	85203-81	-2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl-4-piperidinyl) ester; Decanedioic acid, bis (1,2,2,6,6-pentamethyl-4-piperidinyl) ester; bis(1,2,2,6,6-pentamethylpiperidin-4-yl) decanedioate; Bis(1,2,2,6,6-pentamethyl- 4-piperidinyl) decanedioate; Bis (1,2,2,6,6-pentamethyl-4-piperidyl) decanedioate; Decanedioic acid bis (1,2,2,6,6-pentamethyl-4-piperidinyl) ester; DECANEDIOATE, BIS (1,2,2,6,6-PENTAMETHYL-4- PIPERIDINYL) (PICCS); Bis(N-methyl- 2,2,6,6-tetramethyl-4-piperidinyl) sebacate; Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) 1,8-octanedicarboxylate; Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate; DECANEDIOATE, BIS (1,2,2,6,6-PENTAMETHYL-4- PIPERIDINYL)	0.1 - 1*	41556-26	5-7
dimethyl succinate	Butanedioic acid, 1,4-dimethyl ester; Butanedioic acid, dimethyl ester; Succinic acid, dimethyl ester; Methyl butanedioate; Methyl succinate; Dimethyl butanedioate; Dialkyl(C1-18) succinate; Butanedioic acid dimethyl ester; SUCCINATE, DIMETHYL	0.5 - 1.5*	106-65-0	
1,2,4-trimethylbenzene	Benzene, 1,2,4-trimethyl-; .pseudo Cumene; Pseudocumene; psi-Cumene; Asymmetrical trimethylbenzene; hemimellitene; Trimethylbenzene; unsym- Trimethylbenzene; Trialkyl(C1-4)benzene; Tri-or tetramethylbenzene; 1,3,4-Trimethylbenzene	1 - 5*	95-63-6	
	containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); EB; Mono-(or di-) methyl (ethyl,bromoallyl, bromopropyloxycarbonyl orchloropropyloxycarbonyl) benzene			

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### Section 3. Composition/information on ingredients

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	1,1,1-TRIS(HYDROXYMETHYL) PROPANE; Hexaglycerine; Hexaglycerol; 2-Ethyl-2-(hydroxymethyl) -1,3-propanediol; Tris(hydroxymethyl) propane		
toluene	Benzene, methyl-; Methylbenzene; Toluol; Phenyl methane; Methyl benzol; toluene, pure; preparation consisting of: — 80 % or more but not more than 90 % by weight of (S)-hydroxy-3-phenoxy- benzeneacetonitrile (CAS RN 61826-76-4) and — 10 % or more but not more than 20 % by weight of toluene (CAS RN108-88-3); toluene, crude; preparation containing by weight: — 15 % or more but not more than 60 % of styrene butadiene copolymers or styrene isoprene copolymers and — 10 % or more but not more than 30 % of pinene polymers or pentadiene copolymers dissolved in: — methyl ethyl ketone (CAS RN 78-93-3) — heptane (CAS RN 142-82-5), and — toluene (CAS RN 108-88-3) or light aliphatic solvent naphta (CAS RN 64742-89-8); methacide; Cuminyl alcohol	0.1 - 1*	108-88-3

\*Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

SUB codes represent substances without registered CAS Numbers.

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.

### Section 4. First-aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### **Description of necessary first aid measures**

Eye contact	<ul> <li>Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.</li> </ul>
Inhalation	<ul> <li>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.</li> </ul>
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	<ul> <li>If swallowed, seek medical advice immediately and show this container or label.</li> <li>Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>

### Most important symptoms/effects, acute and delayed Potential acute health effects

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### Section 4. First-aid measures

Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	toms
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate med	ical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	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.

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , 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.

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### Section 5. Fire-fighting measures

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	<ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode</li> </ul>

### 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. Do not breathe 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).
Methods and materials for co	nta	ainment and cleaning up
Small spill	:	Stop leak if 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.
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.

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### Section 7. Handling and storage

Precaut	ions f	for sat	fe hand	<u>dling</u>

Protective measures	: Put on appropriate personal protective equipment (see Section 8). 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. 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.

- Special precautions
   Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- 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.

### Section 8. Exposure controls/personal protection

**Occupational exposure limits** 

Ingredient name	Exposure limits
intanium dioxide	CA British Columbia Provincial (Canada,
	6/2022). [Titanium dioxide]
	TWA: 10 mg/m³ 8 hours. Form: Total dust
	TWA: 3 mg/m³ 8 hours. Form: respirable
	fraction
	CA Quebec Provincial (Canada, 6/2022).
	TWAEV: 10 mg/m <sup>3</sup> 8 hours. Form: Total
	dust.
	CA Alberta Provincial (Canada, 6/2018).
	Skin sensitizer.
	OEL: 10 mg/m <sup>3</sup> 8 hours.
	CA Saskatchewan Provincial (Canada,
	7/2013).
	STEL: 20 mg/m³ 15 minutes.
	TWA: 10 mg/m <sup>3</sup> 8 hours.
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# Section 8. Exposure controls/personal protection

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	<b>CA Ontario Provincial (Canada, 6/2019).</b> TWA: 10 mg/m³ 8 hours. Form: total dust
n-butyl acetate	CA Alberta Provincial (Canada, 6/2018). Skin sensitizer. OEL: 950 mg/m³ 15 minutes. OEL: 200 ppm 15 minutes. OEL: 713 mg/m³ 8 hours. OEL: 713 mg/m³ 8 hours. OEL: 150 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). [butyl acetate, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). [butyl acetates (all isomers)] STEV: 150 ppm 15 minutes. TWA: 50 ppm 8 hours.
xylene	CA Alberta Provincial (Canada, 6/2018). [Dimethylbenzene (o,m & p isomers)] OEL: 651 mg/m <sup>3</sup> 15 minutes. OEL: 150 ppm 15 minutes. OEL: 434 mg/m <sup>3</sup> 8 hours. OEL: 100 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). [Xylene (o, m & p isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). [Xylene (o-,m-,p- isomers)] STEV: 651 mg/m <sup>3</sup> 15 minutes. STEV: 450 ppm 15 minutes. STEV: 150 ppm 15 minutes. TWAEV: 434 mg/m <sup>3</sup> 8 hours. TWAEV: 100 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). [Xylene (o-, m-, p-isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Xylene (o, m-, p-isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
barium sulfate	CA British Columbia Provincial (Canada, 6/2022). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable CA Ontario Provincial (Canada, 6/2019). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable particulate matter.
	Capada Bago: 10/21

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Section 8. Exposure controls/personal	protection
	CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m <sup>3</sup> 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m <sup>3</sup> 15 minutes. TWA: 10 mg/m <sup>3</sup> 8 hours. CA Quebec Provincial (Canada, 6/2022). TWAEV: 5 mg/m <sup>3</sup> 8 hours. Form: inhalable dust
2-methylpropan-1-ol	CA Alberta Provincial (Canada, 6/2018). Skin sensitizer. OEL: 152 mg/m <sup>3</sup> 8 hours. OEL: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 50 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). TWAEV: 152 mg/m <sup>3</sup> 8 hours. TWAEV: 152 mg/m <sup>3</sup> 8 hours. TWAEV: 50 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours.
dimethyl glutarate	IPEL (-).
Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1)	TWA: 1.5 ppm None.
Solvent naphtha (petroleum), light aromatic 2-methoxy-1-methylethyl acetate	None. <b>CA British Columbia Provincial (Canada,</b> <b>6/2022).</b> STEL: 75 ppm 15 minutes. TWA: 50 ppm 8 hours. <b>CA Ontario Provincial (Canada, 6/2019).</b> TWA: 270 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
ethylbenzene	<ul> <li>CA Alberta Provincial (Canada, 6/2018).</li> <li>OEL: 543 mg/m³ 15 minutes.</li> <li>OEL: 125 ppm 15 minutes.</li> <li>OEL: 434 mg/m³ 8 hours.</li> <li>OEL: 100 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 6/2022).</li> <li>TWA: 20 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>TWA: 20 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>TWAEV: 20 ppm 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013).</li> <li>STEL: 125 ppm 15 minutes.</li> <li>TWA: 100 ppm 8 hours.</li> </ul>
1,2,4-trimethylbenzene	CA Alberta Provincial (Canada, 6/2018).

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# Section 8. Exposure controls/personal protection

dimethal succingte	<ul> <li>[Trimethyl benzene (mixed isomers)]</li> <li>OEL: 123 mg/m<sup>3</sup> 8 hours.</li> <li>OEL: 25 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 6/2022). [Trimethyl benzene (mixed isomers)]</li> <li>TWA: 25 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>[Trimethyl benzene (mixture of isomers)]</li> <li>Skin sensitizer. Inhalation sensitizer.</li> <li>TWAEV: 25 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>[Trimethyl benzene (mixed isomers)]</li> <li>TWA: 25 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>[Trimethyl benzene (mixed isomers)]</li> <li>TWA: 25 ppm 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013). [Trimethyl benzene mixed isomer]</li> <li>STEL: 30 ppm 15 minutes.</li> <li>TWA: 25 ppm 8 hours.</li> </ul>
dimethyl succinate bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Hexanoic acid, 2-ethyl-, zinc salt, basic propylidynetrimethanol toluene	IPEL (-). TWA: 1.5 ppm None. None. None. CA Alberta Provincial (Canada, 6/2018). Absorbed through skin. OEL: 188 mg/m <sup>3</sup> 8 hours. OEL: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). TWAEV: 20 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin. STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours.

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures	:	Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Product name SIGMADUR 540 BASE

### Section 8. Exposure controls/personal protection

Individual protection measu	ires	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	1	Chemical splash goggles and face shield.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	1	For prolonged or repeated handling, use the following type of gloves:
		May be used: Chloroprene, nitrile rubber Recommended: neoprene, natural rubber (latex), polyvinyl alcohol (PVA), butyl rubber, Viton®
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

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Various
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 27°C (80.6°F)
Auto-ignition temperature	: 315°C (599°F)
Decomposition temperature	: Not available.
Flammability	: Not available.

Product name SIGMADUR 540 BASE

### Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	:	Not available.	
Evaporation rate	:	Not available.	
Vapor pressure	:	Not available.	
Vapor density	:	Not available.	
Relative density	:	1.3	
Density(lbs / gal)	:	10.85	
Solubility(ies)		Media	Result
Solubility(les)	1	cold water	Not soluble
Partition coefficient: n- octanol/water	:	Not applicable.	
Viscosity	:	Kinematic (room temperature): >400 mm²/s (>400 cSt) Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)	
Volatility	:	51% (v/v), 34.74% (w/w)	
% Solid. (w/w)	1	65.26	

# Section 10. Stability and reactivity

	······································	
Reactivity	o specific test data related to reactivity available for this produc	t or its ingredients.
Chemical stability	he product is stable.	
Possibility of hazardous reactions	nder normal conditions of storage and use, hazardous reactior	ns will not occur.
Conditions to avoid	/hen exposed to high temperatures may produce hazardous de roducts. efer to protective measures listed in sections 7 and 8.	ecomposition
Incompatible materials	eep away from the following materials to prevent strong exothe xidizing agents, strong alkalis, strong acids.	ermic reactions:
Hazardous decomposition products	epending on conditions, decomposition products may include t arbon oxides sulfur oxides metal oxide/oxides	he following materials

# Section 11. Toxicological information

#### Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
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	-
n-butyl acetate	LC50 Inhalation Vapor	Rat	>21.1 mg/l	4 hours
	LC50 Inhalation Vapor	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-				

Product name SIGMADUR 540 BASE

# Section 11. Toxicological information

D50 Oral D50 Dermal D50 Oral C50 Inhalation Vapor D50 Dermal D50 Oral C50 Inhalation Dusts and mists D50 Dermal	Rat Rat Rat Rat Rabbit Rat	4.3 g/kg >2000 mg/kg >5000 mg/kg 24.6 mg/l 2460 mg/kg 2830 mg/kg	- - 4 hours -
D50 Oral C50 Inhalation Vapor D50 Dermal D50 Oral C50 Inhalation Dusts and mists	Rat Rat Rabbit Rat	>5000 mg/kg 24.6 mg/l 2460 mg/kg	-
C50 Inhalation Vapor D50 Dermal D50 Oral C50 Inhalation Dusts and mists	Rat Rabbit Rat	24.6 mg/l 2460 mg/kg	
D50 Dermal D50 Oral C50 Inhalation Dusts and mists	Rabbit Rat	2460 mg/kg	4 hours -
D50 Oral C50 Inhalation Dusts and mists	Rat		-
C50 Inhalation Dusts and mists		2830 ma/ka	
	D . 4	2000 mg/kg	-
D50 Dermal	Rat	>11 mg/l	4 hours
Doo Donnai	Rabbit	>5000 mg/kg	-
D50 Oral	Rat	>5000 mg/kg	-
D50 Dermal	Rabbit	>5 g/kg	-
D50 Oral	Rat	>10 g/kg	-
D50 Dermal	Rabbit	3.48 g/kg	-
D50 Oral	Rat	8400 mg/kg	-
C50 Inhalation Vapor	Rat	30 mg/l	4 hours
D50 Dermal	Rabbit	>5 g/kg	-
D50 Oral	Rat		-
C50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
D50 Dermal	Rabbit	17.8 g/kg	-
D50 Oral	Rat	3.5 g/kg	-
C50 Inhalation Vapor	Rat	18000 mg/m³	4 hours
D50 Oral	Rat	5 g/kg	-
C50 Inhalation Dusts and mists	Rat	>5900 mg/m <sup>3</sup>	4 hours
D50 Dermal	Rabbit	>5000 mg/kg	-
D50 Oral	Rat	>5 g/kg	-
D50 Oral	Rat	3.125 g/kg	-
D50 Dermal	Rabbit	10 g/kg	-
D50 Oral	Rat	14000 mg/kg	-
C50 Inhalation Vapor	Rat	49 g/m³	4 hours
D50 Dermal	Rabbit	8.39 g/kg	-
D50 Oral	Rat	5580 mg/kg	-
	250 Oral 250 Dermal 250 Inhalation Vapor 250 Inhalation Vapor 250 Dermal 250 Inhalation Vapor 250 Inhalation Vapor 250 Oral 250 Inhalation Dusts and mists 250 Inhalation Dusts and mists 250 Dermal 250 Oral 250 Oral 250 Oral 250 Oral 250 Oral 250 Oral 250 Oral 250 Dermal	250 Oral 050 DermalRat Rabbit250 Oral 050 Inhalation VaporRat Rat250 Inhalation VaporRat Rat250 Dermal 050 OralRat Rat250 Inhalation VaporRat Rat250 Inhalation VaporRat Rat250 Inhalation VaporRat Rat250 Inhalation VaporRat Rat250 Oral 050 OralRat Rat250 Inhalation VaporRat Rat250 Inhalation Dusts and mistsRat Rat250 Oral 050 OralRat Rat250 Dermal 050 OralRat Rat250 Dermal 050 OralRat Rat250 Dermal 050 OralRat Rat250 Dermal 050 OralRabbit Rat Rat250 Dermal 050 OralRabbit Rat Rat250 Dermal 050 OralRabbit Rat Rat250 Dermal 050 OralRabbit Rat Rat250 Dermal 050 OralRabbit Rat Rat250 Dermal 050 OralRat Rat250 Dermal 050 OralRat Rat250 Dermal 050 DermalRat Rat	D50 Oral 050 DermalRat Rabbit>10 g/kg 3.48 g/kgD50 Oral 050 OralRat8400 mg/kg 3.48 g/kgD50 Oral 050 Inhalation VaporRat8400 mg/kg 30 mg/lD50 Dermal 050 OralRat6190 mg/kg RatD50 Dermal 050 DermalRat17.8 mg/l RatD50 Dermal 050 DermalRat17.8 mg/l RatD50 Dermal 050 DermalRat3.5 g/kg RatD50 Dermal 050 OralRat3.5 g/kg RatD50 Dermal 050 OralRat5 g/kg RatD50 Dermal 050 OralRat10 g/kg RatD50 Dermal 050 OralRabbit Rat10 g/kg 14000 mg/kg RatD50 Dermal 050 OralRabbit Rat10 g/kg 14000 mg/kg 49 g/m³ 8.39 g/kg

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

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>x</b> ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
Conclusion/Summary					
Skin	: There are no data availa	ble on the mixt	ure itself.		
Eyes	: There are no data availa	ble on the mixt	ure itself.		
Respiratory	: There are no data available on the mixture itself.				
Sensitization					
Skin	: There are no data availa	ble on the mixt	ure itself.		
Respiratory	: There are no data available on the mixture itself.				
<u>Mutagenicity</u>					
Conclusion/Summary	: There are no data availa	ble on the mixt	ure itself.		
Carcinogenicity					
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.				
<b>-</b>					

### Product name SIGMADUR 540 BASE

### Section 11. Toxicological information

		as	<u>sif</u>	ca	tic	<u>on</u>
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Product/ingredient name	OSHA	IARC	NTP
<b>ti</b> tanium dioxide	-	2B	-
xylene	-	3	-
ethylbenzene	-	2B	-
toluene	-	3	-

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

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

#### **Teratogenicity**

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

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
n-butyl acetate	Category 3	-	Narcotic effects
xylene	Category 3	-	Respiratory tract irritation
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
Solvent naphtha (petroleum), light aromatic	Category 3	-	Narcotic effects
2-methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract irritation
toluene	Category 3	-	Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
	Category 2 Category 2	-	hearing organs -

 Target organs
 : Contains material which causes damage to the following organs: brain, central nervous system (CNS).

 Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, liver, upper respiratory tract, skin, ears, eye, lens or cornea.

#### Aspiration hazard

Name	Result
Solvent naphtha (petroleum), light aromatic ethylbenzene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

#### Information on the likely routes of exposure

Product name SIGMADUR 540 BASE

# Section 11. Toxicological information

### Potential acute health effects

Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin.
Ingestion	: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations

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

Conclusio	on/Summary :	There are no data available on the mixture itself. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. 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 to 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 appropriate 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, liver 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 solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
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Product name SIGMADUR 540 BASE

### Section 11. Toxicological information

<u>Short term exposure</u>		
Potential immediate effects	1	There are no data available on the mixture itself.
Potential delayed effects	1	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 effe	ect	<u>S</u>
General	:	May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	:	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
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 540 BASE	8341.3	8222.2	N/A	70.0	8.4
n-butyl acetate	10768	N/A	N/A	N/A	N/A
xylene	4300	1700	N/A	11	1.5
barium sulfate	N/A	2500	N/A	N/A	N/A
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1)	500	N/A	N/A	N/A	N/A
Solvent naphtha (petroleum), light aromatic	8400	3480	N/A	N/A	N/A
2-methoxy-1-methylethyl acetate	6190	N/A	N/A	30	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
1,2,4-trimethylbenzene	5000	N/A	N/A	18	1.5
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	3125	N/A	N/A	N/A	N/A
propylidynetrimethanol	14000	10000	N/A	N/A	N/A
toluene	5580	8390	N/A	49	N/A

# Section 12. Ecological information

**Toxicity** 

### Product name SIGMADUR 540 BASE

### Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
n-butyl acetate	Acute LC50 18 mg/l	Fish	96 hours
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
Solvent naphtha (petroleum), light aromatic	Acute LC50 8.2 mg/l	Fish	96 hours
2-methoxy-1-methylethyl acetate	Acute LC50 134 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water	Daphnia Daphnia - <i>Ceriodaphnia dubia</i>	48 hours -
propylidynetrimethanol	Acute LC50 >1000 mg/l	Fish	96 hours

### Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
-butyl acetate	TEPA and OECD 301D	83 % - Readily - 28	days	-	-
2-methoxy-1-methylethyl acetate	-	83 % - Readily - 28	days	-	-
ethylbenzene	-	79 % - Readily - 10	days	-	-
Product/ingredient name	Aquatic half-life		Photolysis	S	Biodegradability
p-butyl acetate	-		-		Readily
xylene	-		-		Readily
2-methoxy-1-methylethyl acetate	-		-		Readily
ethylbenzene toluene	-		-		Readily Readily
loluene	-		-		Reauliy

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
-butyl acetate	2.3	-	Low
xylene	3.12	7.4 to 18.5	Low
2-methylpropan-1-ol	1	-	Low
dimethyl glutarate	0.49	-	Low
2-methoxy-1-methylethyl acetate	1.2	-	Low
ethylbenzene	3.6	79.43	Low
1,2,4-trimethylbenzene	3.63	120.23	Low
dimethyl succinate	0.33	-	Low
propylidynetrimethanol	-0.47	-	Low
toluene	2.73	8.32	Low

Mobility in soil

Soil/water partition coefficient (Koc) : Not available.

Product name SIGMADUR 540 BASE

### 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 non-recyclable 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.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

### Section 14. Transport information

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

#### **Additional information**

TDG	: None identified.
IMDG	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.
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

Proof of classification<br/>statement: Product classified as per the following sections of the Transportation of Dangerous<br/>Goods Regulations: 2.18-2.19 (Class 3).

Product name SIGMADUR 540 BASE

### Section 15. Regulatory information

#### **National Inventory List**

Canada inventory (DSL)

: At least one component is not listed.

### Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 3 Physical hazards : 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

# The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection AssoHealth:3Flammab	ciation (U.S.A.) ility : 3 Instability : 0
Date of issue/Date of revision	1 February 2024
Organization that prepared the SDS	: EHS
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = 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) N/A = Not available SGG = Segregation Group UN = United Nations

#### 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.