SAFETY DATA SHEET



Date of issue 9/13/2024 (month/day/year)

Version 9.01

Section 1. Chemical product and company identification

Α.	Product name	:	SIGMADUR 550 BASE CNC1270
	Product code	4	00358254

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

Product use Use of the substance/ mixture	Professional applications, Used by spraying.Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
C. Supplier's or Importer's information Email Address	: PPG SSC (680-090) 19, Yeocheon-ro 217beon-gil, Nam-gu, Ulsan, Korea Tel: +82-52-210-8222 Korea.MSDS@PPG.COM
Emergency telephone number:	: ⊮ 82-52-210-8331

Section 2. Hazards identification

A. Hazard classification	: FLAMMABLE LIQUIDS - Category 3
	SKIN IRRITATION - Category 2
	EYE IRRITATION - Category 2A
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 2
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
	Category 3
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
	AQUATIC HAZARD (LONG-TERM) - Category 3
T I I I I I I I I I I I I I I I I I I I	

This product is classified in accordance with the Industrial Safety and Health Act and the Chemical Control Act.

B. GHS label elements, including precautionary statements Symbol :



Signal word

: Danger

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Section 2. Hazards identification

Hazard statements	 H226 - Flammable liquid and vapor. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H372 - Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS), kidneys, liver) H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	 P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating or lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P273 - Avoid release to the environment. P260 - Do not breathe vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling.
Response	 P308 + P313 - IF exposed or concerned: Get medical advice or attention. P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
Storage	: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. P403 + P235 - Keep cool.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
C. Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

CAS number/other identifiers

CAS number

: Not applicable.

Chemical name	Common name	Identifiers	%
X ylene	XYLENES	CAS: 1330-20-7	20 - <30
n-butyl acetate Talc , not containing asbestiform fibres ethylbenzene 2-methoxy-1-methylethyl acetate 29H,31H-phthalocyaninato(2-)-N29,N30, N31,N32 copper	N-BUTYL ACETATE Talc, non-asbestos form ETHYLBENZENE 1-METHOXY-2-PROPYL ACETATE COPPER PHTALOCYANINE	CAS: 123-86-4 CAS: 14807-96-6 CAS: 100-41-4 CAS: 108-65-6 CAS: 147-14-8	5 - <10 1 - <5 1 - <5 1 - <5 1 - <5 1 - <5
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Section 3. Composition/information on ingredients

-		
TITANIUM DIOXIDE	CAS: 13463-67-7	1 - <5
N,N-1,6-HEXANEDIYLBIS	CAS: 55349-01-4	1 - <5
(12-HYDROXY-OCTADECANEIMIDE)		
SOLVENT NAPHTHA (PETROLEUM),	CAS: 64742-95-6	1 - <5
LIGHT AROMATIC		
2-BUTOXY ETHANOL	CAS: 111-76-2	0.1 - <1
BIS(PENTAMETHYLPIPERIDYL)	CAS: 41556-26-7	0.1 - <1
SEBACATE		
cyclohexanone	CAS: 108-94-1	0.1 - <1
	N,N-1,6-HEXANEDIYLBIS (12-HYDROXY-OCTADECANEIMIDE) SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC 2-BUTOXY ETHANOL BIS(PENTAMETHYLPIPERIDYL) SEBACATE	N,N-1,6-HEXANEDIYLBIS (12-HYDROXY-OCTADECANEIMIDE)CAS: 55349-01-4SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATICCAS: 64742-95-62-BUTOXY ETHANOL BIS(PENTAMETHYLPIPERIDYL)CAS: 111-76-2SEBACATECAS: 41556-26-7

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

Α.	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.
В.	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.
C.	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.
D.	Ingestion	:	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Е.	Notes to physician		In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	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

Α.	Extinguishing media	
	Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
	Unsuitable extinguishing media	: Do not use water jet.

Section 5. Fire-fighting measures

В.	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 nitrogen oxides sulfur oxides metal oxide/oxides
C.	Special equipment for fire-fighting	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Fire-fighting procedures	:	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.

Section 6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures	:	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.
B. 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.
C. Methods and materials for o	со	ntainment 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.

Section 7. Handling and storage

	recautions for safe	: 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. 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.
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B. 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

A. Occupational exposure limits

Ingredient name	Exposure limits
Xylene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020). [Xylene]
	STEL: 150 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
n-butyl acetate	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	STEL: 200 ppm 15 minutes.
	TWA: 150 ppm 8 hours.
Talc , not containing asbestiform fibres	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	TWA: 2 mg/m ³ 8 hours. Form: fibers
ethylbenzene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	STEL: 125 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
titanium dioxide	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	TWA: 10 mg/m ³ 8 hours. Form: total dust
	with less than 1% of free SiO2
2-butoxyethanol	Ministry of Employment and Labor
	(Republic of Korea, 1/2020). Absorbed
	through skin.
	TWA: 20 ppm 8 hours.
cyclohexanone	Ministry of Employment and Labor
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Section 8. Exposure controls/personal protection

			through s TWA: 25	c of Korea, 1/2020). Absorbed skin. 5 ppm 8 hours. 0 ppm 15 minutes.
	Recommended monitoring procedures		Reference should be made to appropriate monito national guidance documents for methods for the substances will also be required.	
В.	Appropriate engineering controls		Use only with adequate ventilation. Use process ventilation or other engineering controls to keep w contaminants below any recommended or statuto also need to keep gas, vapor or dust concentratio limits. Use explosion-proof ventilation equipment	vorker exposure to airborne ry limits. The engineering controls ons below any lower explosive
	Environmental exposure controls		Emissions from ventilation or work process equip they comply with the requirements of environmen cases, fume scrubbers, filters or engineering mod equipment will be necessary to reduce emissions	tal protection legislation. In some lifications to the process
с.	Personal protective equip	me	nt	
	Respiratory protection	:	Respirator selection must be based on known or hazards of the product and the safe working limit workers are exposed to concentrations above the appropriate, certified respirators. Use a properly respirator complying with an approved standard in necessary.	s of the selected respirator. If e exposure limit, they must use fitted, air-purifying or air-fed
	Eye protection	:	Chemical splash goggles.	
	Hand protection	:	Chemical-resistant, impervious gloves complying be worn at all times when handling chemical proo this is necessary. Considering the parameters sp check during use that the gloves are still retaining should be noted that the time to breakthrough for different for different glove manufacturers. In the several substances, the protection time of the glove estimated.	ducts if a risk assessment indicates becified by the glove manufacturer, g their protective properties. It any glove material may be a case of mixtures, consisting of
	Gloves	:	butyl rubber	
	Body protection	:	Personal protective equipment for the body shou being performed and the risks involved and shou before handling this product. When there is a ris wear anti-static protective clothing. For the great discharges, clothing should include anti-static over	Id be approved by a specialist k of ignition from static electricity, test protection from static
	Hygiene measures	:	Wash hands, forearms and face thoroughly after eating, smoking and using the lavatory and at the Appropriate techniques should be used to remov Contaminated work clothing should not be allower contaminated clothing before reusing. Ensure the showers are close to the workstation location.	e end of the working period. e potentially contaminated clothing. ed out of the workplace. Wash

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Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

			-	1	
Vapor pressure	1		Vapor Press	ure at 20°C	Vapor pres
Lower and upper explosive (flammable) limits	:	Greatest known range	e: Lower: 1.4%	Jpper: 7.6% (n-	butyl acetate)
Flammability (solid, gas)	:	Not available.			
Evaporation rate	:	Not available.			
range Flash point	:	Closed cup: 25°C (77	°F)		
	÷	>37.78°C (>100°F)			
Melting/freezing point	1	Not available.			
рН	:	Not applicable.			
Odor threshold	:	Not available.			
Odor	:	Characteristic.			
Color	:	Not available.			
Physical state	:	Liquid.			
Appearance					
	Color Odor Odor threshold pH Melting/freezing point Boiling point/boiling range Flash point Evaporation rate Flammability (solid, gas) Lower and upper explosive (flammable)	Physical state:Color:Odor:Odor threshold:pH:Melting/freezing point:Boiling point/boiling:range:Flash point:Evaporation rate:Flammability (solid, gas):Lower and upper:explosive (flammable):	Physical state : Liquid. Color : Not available. Odor : Characteristic. Odor threshold : Not available. pH : Not applicable. Melting/freezing point : Not available. Boiling point/boiling : >37.78°C (>100°F) range : Flash point : Closed cup: 25°C (77 Evaporation rate : Not available. Flammability (solid, gas) : Not available. Lower and upper : Greatest known range explosive (flammable) : limits :	Physical state : Liquid. Color : Not available. Odor : Characteristic. Odor threshold : Not available. pH : Not applicable. Melting/freezing point : Not available. Boiling point/boiling : >37.78°C (>100°F) range : Flash point : Closed cup: 25°C (77°F) Evaporation rate : Not available. Flammability (solid, gas) : Not available. Lower and upper : Greatest known range: Lower: 1.4% U Imits :	Physical state : Liquid. Color : Not available. Odor : Characteristic. Odor threshold : Not available. pH : Not applicable. Melting/freezing point : Not available. Boiling point/boiling : >37.78°C (>100°F) range : Flash point : Closed cup: 25°C (77°F) Evaporation rate : Not available. Flammability (solid, gas) : Not available. Lower and upper : Greatest known range: Lower: 1.4% Upper: 7.6% (newsplosive (flammable) limits :

K. Vapor pressure			Vapo	Vapor Pressure at 20°C			Vapor pressure at 50°C		
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
		p-butyl acetate	11.25096	1.5	DIN EN 13016-2				
L. Solubility(ies)	:	Media	Re	sult					
		cold water	No	t soluble					
Solubility in water	:	Not available.							
Vapor density M.	:	Not available.							
N. Relative density	:	1.2							
O. Partition coefficient: n- octanol/water	:	Not applicable.							
P. Auto-ignition temperature	:								
		Ingredient name		°C	°F		Method		
		Solvent naphtha (petrole aromatic	eum), light	280 to 47	70 536 to	878			

Decomposition Q. temperature

: Not available.

Viscosity

- R. Flow time (ISO 2431)
- **Molecular weight** S.
- : Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)
- : Not available.
- : Not applicable.

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Section 10. Stability and reactivity

Α.	Chemical stability	:	The product is stable.
	Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
В.	Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products.
C.	Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
D.	Hazardous decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides metal oxide/oxides

Section 11. Toxicological information

A. Information on the likely routes of exposure	: Not available.
Potential acute health effect	<u>xts</u>
Inhalation :	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Ingestion :	Can cause central nervous system (CNS) depression.
Skin contact :	Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Eye contact :	Causes serious eye irritation.
Over-exposure signs/symp	i <u>toms</u>
Inhalation :	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Ingestion :	No specific data.
Skin contact :	Adverse symptoms may include the following: irritation redness dryness cracking
Eye contact :	Adverse symptoms may include the following: pain or irritation watering redness
B. Health hazards	

Acute toxicity

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
X ylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/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	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
-	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
2-methoxy-1-methylethyl acetate	LC50 Inhalation Vapor	Rat	30 mg/l	4 hours
, , , , , , , , , , , , , , , , , , ,	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	6190 mg/kg	-
29H,31H-phthalocyaninato(2-)-N29,	LD50 Dermal	Rat	>5000 mg/kg	-
N30,N31,N32 copper				
	LD50 Oral	Rat	5.1 g/kg	-
titanium dioxide	LC50 Inhalation Dusts and	Rat	>6.82 mg/l	4 hours
	mists		_	
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Solvent naphtha (petroleum), light	LD50 Dermal	Rabbit	3.48 g/kg	-
aromatic				
	LD50 Oral	Rat	8400 mg/kg	-
2-butoxyethanol	LC50 Inhalation Vapor	Rat	3 mg/l	4 hours
-	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	LD50 Oral	Rat	3.125 g/kg	-
cyclohexanone	LC50 Inhalation Gas.	Rat	8000 ppm	4 hours
CYCIOHEADIOHE	LD50 Dermal	Rabbit	1100 mg/kg	HIUUIS
	LD50 Dermai	Rat	1800 mg/kg	
		ivat	1000 mg/kg	-

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

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
₩ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
2-butoxyethanol	Eyes - Irritant Skin - Moderate irritant	Rabbit Rabbit	- -	mg 24 hours 4 hours	21 days 28 days

Skin	: There are no data available on the mixture itself.
Eyes	: There are no data available on the mixture itself.

S	з.,	There are no data	a availab	le on the	mixture	itse

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

<u>Conclusion/Summary</u>	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.

Mutagenicity

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

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Section 11. Toxicological information

Carcinogenicity

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

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)

Classification	Route of exposure	Target organs
Category 3 Category 3 Category 3 Category 3 Category 3 Category 3	- - - -	Narcotic effects Narcotic effects Respiratory tract irritation Narcotic effects Narcotic effects Respiratory tract irritation
	Category 3 Category 3 Category 3 Category 3 Category 3 Category 3	exposure Category 3 - Category 3 -

Specific target organ toxicity (repeated exposure)

Name	Classification	Route of exposure	Target organs
Xylene	Category 1		central nervous system (CNS), kidneys, liver

Aspiration hazard

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Potential chronic health effects

Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
No known significant effects or critical hazards. No known significant effects or critical hazards.
ex No

Additional information

Product name SIGMADUR 550 BASE CNC1270

Section 11. Toxicological information

Prolonged or repeated contact may dry skin and cause irritation. 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.

Chemical name	Identifiers	GHS Classification
Xylene	CAS: 1330-20-7	FLAMMABLE LIQUIDS - Category 3
		ACUTE TOXICITY (dermal) - Category 4
		ACUTE TOXICITY (inhalation) - Category 4
		SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY
		(REPEATED EXPOSURE) - Category 1
n-butyl acetate	CAS: 123-86-4	FLAMMABLE LIQUIDS - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
Talc , not containing asbestiform fibres	CAS: 14807-96-6	SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3
ethylbenzene	CAS: 100-41-4	FLAMMABLE LIQUIDS - Category 2
GUIYIDGHZGHG	0.100-41-4	ACUTE TOXICITY (inhalation) - Category 4
		CARCINOGENICITY (Innalation) - Category 4
		ASPIRATION HAZARD - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 3
2-methoxy-1-methylethyl acetate	CAS: 108-65-6	FLAMMABLE LIQUIDS - Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
29H,31H-phthalocyaninato(2-)-N29,N30,	CAS: 147-14-8	Not classified.
N31,N32 copper		
titanium dioxide	CAS: 13463-67-7	CARCINOGENICITY - Category 2
Octadecanamide, N,N'-1,6-hexanediylbis	CAS: 55349-01-4	SKIN SENSITIZATION - Category 1B
[12-hydroxy-		
		AQUATIC HAZARD (LONG-TERM) - Category 4
Solvent naphtha (petroleum), light	CAS: 64742-95-6	FLAMMABLE LIQUIDS - Category 3
aromatic		
		SKIN IRRITATION - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
		ASPIRATION HAZARD - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 2
2-butoxyethanol	CAS: 111-76-2	FLAMMABLE LIQUIDS - Category 4
2-butoxyethanol	CAS. 111-70-2	ACUTE TOXICITY (oral) - Category 4
		ACUTE TOXICITY (inhalation) - Category 3
		SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
	0.00 44550 00 5	CARCINOGENICITY - Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl)	CAS: 41556-26-7	SKIN SENSITIZATION - Category 1B
sebacate		
		TOXIC TO REPRODUCTION - Category 2
		AQUATIC HAZARD (ACUTE) - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 1
cyclohexanone	CAS: 108-94-1	FLAMMABLE LIQUIDS - Category 3
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Section 11. Toxicological information

	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	

Section 12. Ecological information

A. <u>Ecotoxicity</u>

Product/ingredient name	Result	Species	Exposure
p -butyl acetate	Acute LC50 18 mg/l	Fish	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
,	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2-methoxy-1-methylethyl acetate	Acute LC50 134 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
29H,31H-phthalocyaninato (2-)-N29,N30,N31,N32 copper	Acute LC50 >100 mg/l	Fish	96 hours
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
Solvent naphtha (petroleum), light aromatic	Acute LC50 8.2 mg/l	Fish	96 hours
2-butoxyethanol	Acute LC50 1474 mg/l Chronic NOEC >100 mg/l	Fish Fish	96 hours 21 days

B. Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
p-butyl acetate	TEPA and OECD 301D	83 % - Rea	adily - 28 days	-		-
ethylbenzene	-	79 % - Rea	adily - 10 days	-		-
2-methoxy-1-methylethyl acetate	-	83 % - Rea	adily - 28 days	-		-
Product/ingredient name	Aquatic half-life)	Photolysis		Biodeg	gradability
X ylene	-		-		Readily	/
n-butyl acetate	-		-		Readily	
ethylbenzene	-		-		Readily	/
2-methoxy-1-methylethyl acetate	-		-		Readily	,
2-butoxyethanol	-		-		Readily	,

C. Bioaccumulative potential

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Product/ingredient name	LogPow	BCF	Potential
X ylene	3.12	7.4 to 18.5	Low
n-butyl acetate	2.3	-	Low
ethylbenzene	3.6	79.43	Low
2-methoxy-1-methylethyl acetate	1.2	-	Low
29H,31H-phthalocyaninato (2-)-N29,N30,N31,N32	6.6	-	High
copper			
2-butoxyethanol	0.81	-	Low
cyclohexanone	0.86	-	Low

D. Mobility in soil

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

E. <u>Other adverse effects</u> : No known significant effects or critical hazards.

Section 13. Disposal considerations

A. 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.
B. Disposal precautions	: 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

soil, waterways, drains and sewers.

thoroughly internally. Avoid dispersal of spilled material and runoff and contact with

Section 14. Transport information

	UN	IMDG	ΙΑΤΑ
A. UN number	UN1263	UN1263	UN1263
B. UN proper shipping name	PAINT	PAINT	PAINT
C. Transport hazard class(es)	3	3	3
D. Packing group	III	III	III
Environmental hazards	No.	No.	No.
			Korea (GHS) Page: 13/16

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Product name SIGMADUR 550 BASE CNC1270					
Section 1	4. Transport informa	ition			
E. Marine pollutant substances	Not applicable.	Not applicable. No	t applicable.		
Additional info	rmation				
UN	: None identified.				
IMDG	: None identified.				

F. Special precaution which a user to be aware of or needs to comply with in connection with transport or transportation

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.

: None identified.

to IMO instruments

ΙΑΤΑ

Section 15. Regulatory information

A. Regulation according to ISHA ISHA article 117 : None of the components are listed. (Harmful substances prohibited from manufacture) : None of the components are listed. ISHA article 118 : None of the components are listed. (Harmful substances requiring permission) : None of the components are listed. Article 2 of Youth Protection Act on Substances Hazardous to Youth : It is not allowed to sell to persons under the age of 19.

Exposure Limits of Chemical Substances and Physical Factors

The following components Vylene n-butyl acetate Talc , not containing asbes ethylbenzene titanium dioxide 2-butoxyethanol cyclohexanone	
ISHA Enforcement Regs Annex 19 (Exposure standards established for harmful factors)	: The following components are listed: cyclohexanone
ISHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment Measurement)	: The following components are listed: xylene, n-butyl acetate, talc / soapstone, ethyl benzene, titanium dioxide

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Section 15. Regulatory information

	ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check- up)	-	The following components are listed: Xylene, Ethyl benzene		
	Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control)	:	The following components are listed: xylene, n-butyl acetate, ethyl benzene, copper and its compounds, titanium dioxide		
В.	Regulation according to Chemicals Control Act				
	Article 11 (TRI)	:	The following components are listed: Xylene including o-,m-,p- isomer, Barium and its compounds, Ethylbenzene, Copper and its compounds		
	Article 18 Prohibited (K- Reach Article 27)	1	None of the components are listed.		
	Article 19 Subject to authorization (K-Reach Article 25)	:	None of the components are listed.		
	Article 20 Restricted (K- Reach Article 27)	-	None of the components are listed.		
	Article 20 Toxic Chemicals (K-Reach Article 20)	:	Not applicable		
	Korea inventory	1	All components are listed or exempted.		
	Article 39 (Accident Precaution Chemicals)	1	None of the components are listed.		
C.	Dangerous Materials Safety Management Act	:	Class: Class 4 - Flammable Liquid Item: 4. Class 2 petroleums - Water-insoluble liquid Threshold: 1000 L Danger category: III Signal word: Contact with sources of ignition prohibited		
D.	Wastes regulation	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.		
Е.	Regulation according to o	oth	<u>er foreign laws</u>		
	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

A. References	 Korean Ministry of Environment; Chemical Control Act Korean Ministry of Labor; Industrial Safety and Health Act NIER Notice Registry of Toxic Effects of Chemical Substances (RTECS) U.S. Environmental Protection Agency, AQUIRE (Aquatic toxicity Information Retrieval) ECOTOX Database System.
B. First issue date	: 3/31/2018

Section 16. Other information

C.	Date of issue/Date of revision	:	9/13/2024
D.	Version	:	9.01
	Prepared by	:	EHS

E. Other

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.