SAFETY DATA SHEET



Date of issue 7/13/2020 (month/day/year)

Version 4

Section 1. Chemical product and company identification

Α.	Product name Product code		SIGMADUR 550 BASE SHS2500-N(0001F) 00435119
В.	Relevant identified uses of	of t	he substance or mixture and uses advised against
	Product use	1	Professional applications, Used by spraying.
	Use of the substance/ mixture	:	Coating.
	Uses advised against	:	Product is not intended, labelled or packaged for consumer use.
C.	Supplier's information	:	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:	:	+82-52-210-8222

Section 2. Hazards identification

A. Hazard classification	: FLAMMABLE LIQUIDS - Category 3
	SKIN CORROSION/IRRITATION - Category 2
	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
	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

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	 Index 226 - 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)
Precautionary statements	
Prevention	 P201 - Obtain special instructions before use. P280 - Wear protective gloves. Wear protective clothing. Wear 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. P260 - Do not breathe vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling.
Response	 P312 - Call a POISON CENTER or doctor if you feel unwell. P308 + P313 - IF exposed or concerned: Get medical advice or attention. 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.
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	%
titanium dioxide	TITANIUM DIOXIDE	CAS: 13463-67-7	20 - <30
Xylene	XYLENES	CAS: 1330-20-7	20 - <30
n-butyl acetate	N-BUTYL ACETATE	CAS: 123-86-4	5 - <10
ethylbenzene	ETHYLBENZENE	CAS: 100-41-4	1 - <5
Talc , not containing asbestiform fibres	Talc, non-asbestos form	CAS: 14807-96-6	1 - <5
Octadecanamide, N,N'-1,6-hexanediylbis	N,N-1,6-HEXANEDIYLBIS	CAS: 55349-01-4	1 - <5
[12-hydroxy-	(12-HYDROXY-OCTADECANEIMIDE)		
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	BIS(PENTAMETHYLPIPERIDYL)	CAS: 41556-26-7	0.1 - <1

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Section 3. Composition/information on ingredients

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. Non displayed substances are regarded as Business Confidential information.

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

SUB codes represent substances without registered CAS Numbers.

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.
Ε.	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	1	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	1	Use dry chemical, CO ₂ , water spray (fog) or foam.
	Unsuitable extinguishing media	1	Do not use water jet.
В.	Specific hazards arising from the chemical	:	Fammable 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.
	Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides metal oxide/oxides

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Section 5. Fire-fighting measures

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	:	Void 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).		
C. Methods and materials for containment 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

A. Precautions for safe handling	: Put on appropriate personal protective equipment (see Section 8). 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. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. 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 non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before
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Section 7. Handling and storage

transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

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

B

Ingredient name		Exposure limits		
ii ťanium dioxide		Ministry of Employment and Labor (Republic of Korea, 7/2018). TWA: 10 mg/m ³ 8 hours. Form: total dust with less than 1% of free SiO2 Ministry of Employment and Labor (Republic of Korea, 7/2018). STEL: 150 ppm 15 minutes.		
Xylene				
n-butyl acetate		TWA: 100 ppm 8 hours. Ministry of Employment and Labor (Republic of Korea, 7/2018).		
ethylbenzene		STEL: 200 ppm 15 minutes. TWA: 150 ppm 8 hours. Ministry of Employment and Labor (Republic of Korea, 7/2018).		
Talc , not containing asbes	tiform fibres	STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours. Ministry of Employment and Labor (Republic of Korea, 7/2018). TWA: 2 mg/m ³ 8 hours. Form: fibers		
Recommended monitoring procedures	atmosphere or biological monitor of the ventilation or other control i protective equipment. Reference	s with exposure limits, personal, workplace ing may be required to determine the effectiveness measures and/or the necessity to use respiratory should be made to appropriate monitoring guidance documents for methods for the tances will also be required.		
Appropriate engineering controls	or other engineering controls to k below any recommended or statu	n. Use process enclosures, local exhaust ventilation eep worker exposure to airborne contaminants itory limits. The engineering controls also need to ations below any lower explosive limits. Use nent.		
Environmental exposure controls		k process equipment should be checked to ensure s of environmental protection legislation. In some		

will be necessary to reduce emissions to acceptable levels.

cases, fume scrubbers, filters or engineering modifications to the process equipment

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Section 8. Exposure controls/personal protection

C .	Personal protective equip	me	nt
	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. Chemical splash goggles.
	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	4	øutyl rubber
	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.
	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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and chemical properties

Appearance		
Physical state	:	Liquid.
Color	:	Not available.
Odor	:	Characteristic.
Odor threshold	:	Not available.
рН	:	Not available.
Melting/freezing point	:	Not available.
Boiling point/boiling range	:	>37.78°C (>100°F)
Flash point	:	Closed cup: 25°C (77°F)
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	Sreatest known range: Lower: 1.4% Upper: 7.6% (n-butyl acetate)
Vapor pressure	:	Not available.
Solubility	:	Insoluble in the following materials: cold water.
Solubility in water	:	Not available.
Vapor density	:	Not available.
	Color Odor Odor threshold pH Melting/freezing point Boiling point/boiling range Flash point Evaporation rate Flammability (solid, gas) Lower and upper explosive (flammable) limits Vapor pressure Solubility	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) limits:Vapor pressure:Solubility:Solubility:

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Section 9. Physical and chemical properties

N.	Relative density	:	1.37
O .	· · · · · · · · · · · · · · · · · · ·		Not available.
	Auto-ignition temperature	:	Not available.
	Decomposition temperature	:	Not available.
R .	Viscosity	:	Kinematic (40°C (104°F)): >0.21 cm²/s (>21 cSt)
S.	Molecular weight	:	Not applicable.

Section 10. Stability and reactivity

Α.	Chemical stability Possibility of hazardous reactions		The product is stable. 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

Α.	Information on the likely routes of exposure	/ : Not available.
P	otential acute health effe	<u>cts</u>
	Inhalation	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
	Ingestion	Can cause central nervous system (CNS) depression.
	Skin contact	\mathcal{P} auses skin irritation. Defatting to the skin. May cause an allergic skin reaction.
	Eye contact	Causes serious eye irritation.
<u>0</u>	<u>ver-exposure signs/sym</u>	<u>ptoms</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

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Section 11. Toxicological information

Eye contact

: Adverse symptoms may include the following: pain or irritation watering redness

B. Health hazards

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
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	-
Xylene	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	-
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	LD50 Oral	Rat	3.125 g/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 mg	-
Conclusion/Summary						ł
Skin	Т	here are no data available or	n the mixture it	self.		
Eyes	Т	here are no data available or	n the mixture it	self.		
Respiratory	Т	here are no data available or	n the mixture it	self.		
Sensitization						
Conclusion/Summary						
Skin :	Τh	ere are no data available on	the mixture its	elf.		
Respiratory :	Th	ere are no data available on	the mixture its	elf.		
<u>Mutagenicity</u>						
Conclusion/Summary :	Tł	nere are no data available on	the mixture its	self.		
Carcinogenicity						
Conclusion/Summary :	Т	here are no data available or	n the mixture it	self.		
Reproductive toxicity						
	Т	here are no data available o	n the mixture i	tself.		
Teratogenicity						
	Т	here are no data available o	n the mixture i	tself.		
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Section 11. Toxicological information

Specific target organ toxicity (single exposure)

Name	Classification	Route of exposure	Target organs
Kylene n-butyl acetate Talc , not containing asbestiform fibres	Category 3 Category 3 Category 3	-	Narcotic effects Narcotic effects Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

Name	Result
ethylbenzene	ASPIRATION HAZARD - Category 1

Potential chronic health effects

General	: Causes damage to organs through prolonged or repeated exposure. Prolonged 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.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Additional 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	Common name	CAS #	GHS Classification
<mark>Manium dioxide</mark> Xylene	TITANIUM DIOXIDE XYLENES	13463-67-7 1330-20-7	CARCINOGENICITY - Category 2 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
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Section 11. Toxicological information

		Category 3
N-BUTYL ACETATE	123-86-4	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY
ETHYLBENZENE	100-41-4	(SINGLE EXPOSURE) (Narcotic effects) - Category 3 FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4
Talc, non-asbestos form	14807-96-6	CARCINOGENICITY - Category 2 ASPIRATION HAZARD - Category 1 SPECIFIC TARGET ORGAN TOXICITY
		(SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
N,N-1,6-HEXANEDIYLBIS (12-HYDROXY- OCTADECANEIMIDE)	55349-01-4	SKIN SENSITIZATION - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 4
BIS (PENTAMETHYLPIPERIDYL) SEBACATE	41556-26-7	SKIN SENSITIZATION - Category 1
		AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
	ETHYLBENZENE Talc, non-asbestos form N,N-1,6-HEXANEDIYLBIS (12-HYDROXY- OCTADECANEIMIDE) BIS (PENTAMETHYLPIPERIDYL)	ETHYLBENZENE100-41-4Talc, non-asbestos form14807-96-6N,N-1,6-HEXANEDIYLBIS (12-HYDROXY- OCTADECANEIMIDE)55349-01-4BIS (PENTAMETHYLPIPERIDYL)41556-26-7

Section 12. Ecological information

A. <u>Ecotoxicity</u>

Product/ingredient name	Result	Species	Exposure
Manium dioxide n-butyl acetate ethylbenzene	Acute LC50 >100 mg/l Fresh water Acute LC50 18 mg/l Acute LC50 150 to 200 mg/l Fresh water	Daphnia - Daphnia magna Fish Fish	48 hours 96 hours 96 hours

B. Persistence and degradability

Product/ingredient name	Test Result		Dose			Inoculum
┏-butyl acetate	TEPA and OECD 301D	83 % - Rea	33 % - Readily - 28 days			-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
₩ylene n-butyl acetate ethylbenzene	- - -		- -		Readily Readily Readily	

C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential	
Kylene	3.16	7.4 to 18.5	low	
n-butyl acetate	1.78	-	low	
ethylbenzene	3.15	79.43	low	

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Section 12. Ecological information

D. <u>Mobility in soil</u>

Soil/water partition : Not available. coefficient (K_{oc})

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

Section 13. Disposal considerations

Α.	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.
в.	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

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	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	
Environmental hazards	No.	No.	No.
E. Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

UN: None identified.IMDG: None identified.IATA: None identified.

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

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Section 14. Transport information

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

Section 15. Regulatory information

Α.	Regulation according to ISHA		
	ISHA article 37 (Harmful substances prohibited from manufacture)	:	None of the components are listed.
	ISHA article 38 (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 Chemi	ca	I Substances and Physical Factors
	The following components ifanium dioxide Xylene n-butyl acetate ethylbenzene Talc , not containing asbes		
	ISHA Enforcement Regs Annex 11-3 (Exposure standards established for harmful factors)	:	None of the components are listed.
	ISHA Enforcement Regs Annex 11-5 (Harmful factors subject to Work Environment Measurement)	:	The following components are listed: Xylene, o,m,p-isomers Preparations containing material at weight ratio of 1% or more, Ethylbenzene Preparations containing material at weight ratio of 1% or more, Titanium dioxide Preparations containing material at weight ratio more than 1%, n-Butyl acetate Preparations containing material at weight ratio of 1% or more, Talc, non-asbestos form/Soap stone less than 1% crystalline silica; (Mineral dust)
	ISHA Enforcement Regs Annex 12-2 (Harmful Factors Subject to Special Health Check-up)	:	The following components are listed: Xylene, Ethylbenzene
	Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control)	:	The following components are listed: xylene, ethyl benzene, titanium dioxide, n-butyl acetate
В.	Regulation according to C	he	emicals Control Act
	CCA Article 20 Toxic Chemicals (K-Reach Article 20)	:	Not applicable

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Section 15. Regulatory information

	CCA Article 18 Prohibited (K-Reach Article 27)	-	None of the components are listed.
	CCA Article 20 Restricted (K-Reach Article 27)	:	None of the components are listed.
	CCA Article 11 (TRI)	1	The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene, Barium and its compounds
	Korea inventory	1	All components are listed or exempted.
	CCA Article 39 (Accident Precaution Chemicals)	1	None of the components are listed.
C.	<u>Dangerous Materials</u> <u>Safety Management Act</u>	:	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.
Ε.	Regulation according to o	th	er foreign laws
	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

Α.	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.
В.	Date of issue/Date of revision	: 7/13/2020
С.	Version	: 4
	Prepared by	: EHS

D. Other

Procedure used to derive the classification

Classification	Justification
Not supported	On basis of test data
Not supported	Calculation method

Indicates information that has changed from previously issued version.

Disclaimer

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Date of issue 7/13/2020 (month/day/year)

Product name SIGMADUR 550 BASE SHS2500-N(0001F)

Section 16. Other information

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.