# SAFETY DATA SHEET



#### Date of issue 1/13/2021 (month/day/year)

Version 1

## Section 1. Chemical product and company identification

A. Product name<br/>Product code: SIGMADUR 1800 BASE WHITE<br/>: 000001099328

Other means of identification 00236079

в.	Relevant identified uses of Product use Use of the substance/ mixture	:	<b>he substance or mixture and uses advised against</b> Professional applications, Used by spraying. Coating.
	Uses advised against	:	Product is not intended, labelled or packaged for consumer use.
C.	Supplier'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:	:	+82-52-210-8222

### Section 2. Hazards identification

A. Hazard classification	: FLAMMABLE LIQUIDS - Category 3 CARCINOGENICITY - Category 2
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
	Category 3
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	AQUATIC HAZARD (LONG-TERM) - Category 3
<del>.</del>	AQUATIC TIAZAND (LONG-TERNI) - Calegoly 3

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

: Warning

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### Section 2. Hazards identification

	Hazard statements	:	<ul> <li>H226 - Flammable liquid and vapor.</li> <li>H336 - May cause drowsiness or dizziness.</li> <li>H351 - Suspected of causing cancer.</li> <li>H373 - May cause damage to organs through prolonged or repeated exposure.</li> <li>(central nervous system (CNS), kidneys, liver)</li> <li>H412 - Harmful to aquatic life with long lasting effects.</li> </ul>
	Precautionary statements	•	
	Prevention	:	<ul> <li>P201 - Obtain special instructions before use.</li> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P241 - Use explosion-proof electrical, ventilating or lighting equipment.</li> <li>P242 - Use non-sparking tools.</li> <li>P243 - Take action to prevent static discharges.</li> <li>P273 - Avoid release to the environment.</li> <li>P260 - Do not breathe vapor.</li> </ul>
	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.
	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.
с.	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** 

С

: Not applicable.

Chemical name	Common name	Identifiers	%
titanium dioxide	TITANIUM DIOXIDE	CAS: 13463-67-7	20 - <30
n-butyl acetate	N-BUTYL ACETATE	CAS: 123-86-4	10 -<20
Xylene	XYLENES	CAS: 1330-20-7	5 - <10
Talc , not containing asbestiform fibres	Talc, non-asbestos form	CAS: 14807-96-6	1 - <5
Solvent naphtha (petroleum), light	SOLVENT NAPHTHA (PETROLEUM),	CAS: 64742-95-6	1 - <5
aromatic	LIGHT AROMATIC		
1,2,4-trimethylbenzene	1,2,4-TRIMETHYL BENZENE	CAS: 95-63-6	1 - <5
ethylbenzene	ETHYLBENZENE	CAS: 100-41-4	1 - <5
bis(1,2,2,6,6-pentamethyl-4-piperidyl)	BIS(PENTAMETHYLPIPERIDYL)	CAS: 41556-26-7	0.1 - <1
sebacate	SEBACATE		
methyl 1,2,2,6,6-pentamethyl-4-piperidyl	METHYL-(1,2,2,6,6-PENTAMETHYL-	CAS: 82919-37-7	0.1 - <1
sebacate	4-PIPERDIYL) SEBACATE		

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.
Е.	Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	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.

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

Α.	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.
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 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.

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### 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 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 : Put on appropriate personal protective equipment (see Section 8). Eating, drinking handling 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. Do not ingest. Avoid contact with eyes, skin and clothing. 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 transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Section 7. Handling and storage

# Section 8. Exposure controls/personal protection

### A. Occupational exposure limits

Ingredient name	Exposure limits
titanium dioxide	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: total dust
	with less than 1% of free SiO2
n-butyl acetate	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	STEL: 200 ppm 15 minutes.
	TWA: 150 ppm 8 hours.
Xylene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	STEL: 150 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
Talc , not containing asbestiform fibres	ACGIH TLV (United States, 3/2019).
	TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable
1,2,4-trimethylbenzene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	TWA: 25 ppm 8 hours.
ethylbenzene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	STEL: 125 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
monitoring procedures atmosphere or of the ventilatio protective equip	contains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness n or other control measures and/or the necessity to use respiratory oment. Reference should be made to appropriate monitoring
standards. Ref	ference to national guidance documents for methods for the of hazardous substances will also be required.

B. 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.

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## Section 8. Exposure controls/personal protection

C.	. Personal protective equipment		
	Respiratory protection	spirator selection must be based on known or anticipa zards of the product and the safe working limits of the rkers are exposed to concentrations above the expos propriate, certified respirators. Use a properly fitted, a pirator complying with an approved standard if a risk cessary.	selected respirator. If ure limit, they must use ir-purifying or air-fed
	Eye protection	fety glasses with side shields.	
	Hand protection	emical-resistant, impervious gloves complying with ar worn at all times when handling chemical products if is is necessary. Considering the parameters specified eck during use that the gloves are still retaining their p buld be noted that the time to breakthrough for any glo erent for different glove manufacturers. In the case of veral substances, the protection time of the gloves cal imated.	a risk assessment indicates by the glove manufacturer, rotective properties. It ove material may be f mixtures, consisting of
	Gloves	prolonged or repeated handling, use the following ty	be of gloves:
		y be used: butyl rubber t recommended: nitrile rubber commended: polyvinyl alcohol (PVA), Viton®	
	Body protection	rsonal protective equipment for the body should be seing performed and the risks involved and should be ap fore handling this product. When there is a risk of ign ar anti-static protective clothing. For the greatest pro- charges, clothing should include anti-static overalls, b	pproved by a specialist ition from static electricity, ection from static
	Hygiene measures	ash hands, forearms and face thoroughly after handlin ore eating, smoking and using the lavatory and at the propriate techniques should be used to remove poten ash contaminated clothing before reusing. Ensure tha ety showers are close to the workstation location.	end of the working period. tially contaminated clothing.

# Section 9. Physical and chemical properties

Α.	Appearance		
	Physical state	:	Liquid.
	Color	:	White.
В.	Odor	1	Not available.
С.	Odor threshold	:	Not available.
D.	рН	:	Not applicable.
Ε.	Melting/freezing point	:	Not available.
F.	Boiling point/boiling range	:	>37.78°C (>100°F)
G.	Flash point	:	Closed cup: 28°C (82.4°F)
н.	Evaporation rate	:	Not available.
Т.	Flammability (solid, gas)	:	Not available.
J.	Lower and upper explosive (flammable) limits	:	Greatest known range: Lower: 0.9% Upper: 7.9% (dimethyl glutarate)

# Section 9. Physical and chemical properties

Κ.	Vapor pressure	Not avail	able.
<b>L</b> .	Solubility	Insoluble	e in the following materials: cold water.
	Solubility in water	Not avail	able.
Μ.	Vapor density	Not avail	able.
Ν.	Relative density	1.32	
0.	Partition coefficient: n- octanol/water	Not avail	able.
Ρ.	Auto-ignition temperature	363°C (6	85.4°F)
Q.	Decomposition temperature	Not avail	able.
R.	Viscosity		c (room temperature): >4 cm²/s (>400 cSt) c (40°C (104°F)): >0.21 cm²/s (>21 cSt)
S.	Molecular weight	Not appl	icable.

# Section 10. Stability and reactivity

Α.	Chemical stability	1	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 metal oxide/oxides

# Section 11. Toxicological information

A. Information on the likely : Not available. routes of exposure

### Potential acute health effects

Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.	
Ingestion	on : Can cause central nervous system (CNS) depression.	
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.	
Eye contact	: No known significant effects or critical hazards.	
Over-exposure sign	<u>is/symptoms</u>	
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	

# Section 11. Toxicological information

Ingestion	No specific data.	
Skin contact	Adverse symptoms may include the follow irritation dryness cracking	/ing:
Eye contact	No specific data.	

#### **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	-
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	-
	LD50 Oral	Rat	4.3 g/kg	-
Solvent naphtha (petroleum), light aromatic	LD50 Dermal	Rabbit	3.48 g/kg	-
	LD50 Oral	Rat	8400 mg/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	5 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	-
methyl 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
Xylene		Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary			-		·	·
Skin	: T	here are no data available o	n the mixture i	tself.		
Eyes	: T	here are no data available o	n the mixture i	tself.		
Respiratory	: T	here are no data available o	n the mixture i	tself.		
	• • • •	ere are no data available on ere are no data available on				
<u>Mutagenicity</u> Conclusion/Summary	: Th	nere are no data available or	the mixture it	self.		

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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)

Name	Classification	Route of exposure	Target organs
n-butyl acetate	Category 3	-	Narcotic effects
Xylene	Category 3	-	Narcotic effects
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
Solvent naphtha (petroleum), light aromatic	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract irritation

#### 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

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	: No known significant effects or critical hazards.

#### **Additional information**

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

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# Section 11. Toxicological information

Chemical name	Common name	CAS #	GHS Classification
titanium dioxide n-butyl acetate	TITANIUM DIOXIDE N-BUTYL ACETATE	13463-67-7 123-86-4	CARCINOGENICITY - Category 2 FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Xylene	XYLENES	1330-20-7	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) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
Talc , not containing asbestiform fibres	Talc, non-asbestos form	14807-96-6	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Solvent naphtha (petroleum), light aromatic	SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	FLAMMABLE LIQUIDS - Category 3
			SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 2
1,2,4-trimethylbenzene	1,2,4-TRIMETHYL BENZENE	95-63-6	FLAMMABLE LIQUIDS - Category 3
			ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 2
ethylbenzene	ETHYLBENZENE	100-41-4	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2
bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate	BIS (PENTAMETHYLPIPERIDYL) SEBACATE	41556-26-7	ASPIRATION HAZARD - Category 1 SKIN SENSITIZATION - Category 1
			AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1
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### Section 11. Toxicological information

methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	METHYL- (1,2,2,6,6-PENTAMETHYL- 4-PIPERDIYL) SEBACATE	82919-37-7	SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1

# Section 12. Ecological information

### A. <u>Ecotoxicity</u>

Product/ingredient name	Result	Species	Exposure
titanium dioxide n-butyl acetate Solvent naphtha (petroleum), light aromatic	Acute LC50 >100 mg/l Fresh water Acute LC50 18 mg/l Acute LC50 8.2 mg/l	Daphnia - Daphnia magna Fish Fish	48 hours 96 hours 96 hours
ethylbenzene	Acute LC50 150 to 200 mg/l Fresh water	Fish	96 hours

### B. Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
n-butyl acetate	TEPA and OECD 301D	83 % - Rea	adily - 28 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	gradability
n-butyl acetate Xylene ethylbenzene	- -		- -		Readily Readily Readily	,

### C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-butyl acetate	1.78	-	low
Xylene	3.16	7.4 to 18.5	low
1,2,4-trimethylbenzene	3.63	120.23	low
ethylbenzene	3.15	79.43	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. Dispo	sal 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.
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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 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	III
Environmental hazards	No.	No.	No.
E. Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

### Additional information

UN	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.1.
IMDG	<ul> <li>This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.</li> </ul>
ΙΑΤΑ	: 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. to IMO instruments

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# Section 15. Regulatory information

Α.	Regulation according to I	SF	IA III III III III III III III III III
	ISHA article 117 (Harmful substances prohibited from manufacture)	:	None of the components are listed.
	ISHA article 118 (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 Chem	ica	al Substances and Physical Factors
	The following components titanium dioxide n-butyl acetate Xylene Talc , not containing asbes 1,2,4-trimethylbenzene ethylbenzene		
	ISHA Enforcement Regs Annex 19 (Exposure standards established for harmful factors)	:	None of the components are listed.
	ISHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment Measurement)	:	The following components are listed: n-butyl acetate, xylene, ethyl benzene, titanium dioxide, talc; soapstone
	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: n-butyl acetate, xylene, ethyl benzene, titanium dioxide
В.	Regulation according to (	<u>Ch</u>	emicals Control Act
	CCA Article 11 (TRI)		The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene
	CCA Article 18 Prohibited (K-Reach Article 27)	:	None of the components are listed.
	CCA Article 19 Subject to authorization (K- Reach Article 25)	:	None of the components are listed.
	CCA Article 20 Restricted (K-Reach Article 27)	-	None of the components are listed.
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### Section 15. Regulatory information

CCA Article 20 Toxic Chemicals (K-Reach Article 20)	:	Not applicable
Korea inventory	1	All components are listed or exempted.
CCA Article 39 (Accident Precaution Chemicals)	:	None of the components are listed.
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
Wastes regulation	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Regulation according to	oth	ier 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).
	Chemicals (K-Reach Article 20) Korea inventory CCA Article 39 (Accident Precaution Chemicals) Dangerous Materials Safety Management Act Wastes regulation Regulation according to a Safety, health and environmental regulations specific for	Chemicals (K-Reach Article 20)Korea inventoryCCA Article 39CCA Article 39(Accident Precaution Chemicals)Dangerous MaterialsSafety Management ActWastes regulation:Regulation according to oth Safety, health and regulations specific for

### 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	: 1/13/2021
С.	Version	: 1
	Prepared by	: EHS
П	Othor	

D. 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.