## SAFETY DATA SHEET



#### Date of issue 11/20/2024 (month/day/year)

Version 2

### Section 1. Chemical product and company identification

Α.	Product name	1	SIGMACOVER 350 BASE GREY
	Product code	1	000001182907

Other means of identification 00477029

В.	Relevant identified uses	s of the substance	or mixture and uses	advised against
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Produ	uct use	1	Professional applications, Used by spraying.
Use o mixtu	of the substance/ ire	:	Coating.
Uses	advised against	:	Product is not intended, labelled or packaged for consumer use.
	olier's or Importer's mation	:	PPG SSC (680-090) 19, Yeocheon-ro 217beon-gil, Nam-gu, Ulsan, Korea Tel: +82-52-210-8222
Ema	il Address		Korea.MSDS@PPG.COM
Eme num	rgency telephone ber:	:	+82-52-210-8331

### Section 2. Hazards identification

A. Hazard classification	: FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2
	SERIOUS EYE DAMAGE - Category 1
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 1A
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
	AQUATIC HAZARD (LONG-TERM) - Category 3
	This product is classified in accordance with the Industrial Safety and Health Act and the Chemical Control Act.
B. GHS label elements, inc	luding precautionary statements
Symbol	

Signal word

: Danger

Date of issue <sup>11/20/2024</sup> (month/day/year)

Product name SIGMACOVER 350 BASE GREY

### Section 2. Hazards identification

Hazard statements	<ul> <li>F226 - Flammable liquid and vapor. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H335 - May cause respiratory irritation. H350 - May cause 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.</li> </ul>
Precautionary statement	5
Prevention	<ul> <li>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.</li> <li>P241 - Use explosion-proof electrical, ventilating or lighting equipment.</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>P240 - Ground and bond container and receiving equipment.</li> <li>P273 - Avoid release to the environment.</li> <li>P260 - Do not breathe vapor.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> <li>P264 - Wash thoroughly after handling.</li> </ul>
Response	<ul> <li>P370 + P378 - In case of fire: Never use water to extinguish.</li> <li>P308 + P313 - IF exposed or concerned: Get medical advice or attention.</li> <li>P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.</li> <li>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</li> <li>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> <li>P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>Immediately call a POISON CENTER or doctor.</li> <li>P321 - Specific treatment (see the label).</li> </ul>
Storage	<ul> <li>P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.</li> <li>P403 + P235 - Keep cool.</li> </ul>
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	: Prolonged or repeated contact may dry skin and cause irritation.

#### classification

### Section 3. Composition/information on ingredients

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

CAS number

: Not applicable.

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### Section 3. Composition/information on ingredients

•	<b>.</b>		
Chemical name	Common name	Identifiers	%
✓alc , not containing asbestiform fibres	Talc, non-asbestos form	CAS: 14807-96-6	20 -
			<30
		EC: 238-877-9	
crystalline silica, respirable powder (>10 microns)	QUARTZ (>10 microns)	CAS: 14808-60-7	10 -<20
		EC: 238-878-4	
Epoxy Resin (700 <mw<=1100)< td=""><td>EPOXY RESIN (AVERAGE</td><td>CAS: 25036-25-3</td><td>10 -&lt;20</td></mw<=1100)<>	EPOXY RESIN (AVERAGE	CAS: 25036-25-3	10 -<20
	MOLECULAR WEIGHT >700 - <1100)		
Xylene	XYLENES	CAS: 1330-20-7	10 -<20
		EC: 215-535-7	
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Bisphenol A diglycidyl ether	CAS: 1675-54-3	5 - <10
		EC: 216-823-5	
benzyl alcohol	BENZYL ALCOHOL	CAS: 100-51-6	1 - <5
		EC: 202-859-9	
titanium dioxide	TITANIUM DIOXIDE	CAS: 13463-67-7	1 - <5
		EC: 236-675-5	4
2-methylpropan-1-ol	ISOBUTYL ALCOHOL	CAS: 78-83-1	1 - <5
		EC: 201-148-0	4 .5
ethylbenzene	ETHYLBENZENE	CAS: 100-41-4	1 - <5
envetelling siling, respirable noveder ( <10		EC: 202-849-4	1 45
crystalline silica, respirable powder (<10	QUARTZ (<10 microns)	CAS: 14808-60-7	1 - <5
microns)		EC: 238-878-4	
12 hydroxy actodeconcil coid reaction	12 hudrowycotodogonoje opid regetion	CAS: 220926-97-6	1 - <5
12-hydroxyoctadecanoic acid reaction products with	12-hydroxyoctadecanoic acid, reaction products with	CAS. 220920-97-0	1 - <5
1,3-benzenedimethanamine and	1,3-benzenedimethanamine and		
hexamethylenediamine	hexamethylenediamine		
		EC: 432-840-2	
carbon black	CARBON BLACK	CAS: 1333-86-4	0.1 - <1
		EC: 215-609-9	0.1- 1

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	:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
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.

### Section 4. First aid measures

Έ.	Notes to physician	1	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	:	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 nitrogen 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. Do not breathe 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

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### Section 6. Accidental release measures

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). 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.
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
Talc , not containing asbestiform fibres	ISHA Article 42 (Republic of Korea, 1/2020) TWA 8 hours: 2 mg/m <sup>3</sup> (as asbestos). Form: fibers.
crystalline silica, respirable powder (>10 microns)	ISHA Article 42 (Republic of Korea, 1/2020) TWA 8 hours: 0.05 mg/m <sup>3</sup> . Form: Respirable fraction.
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Xylene		ISHA Article 42 (Republic of Korea,
		1/2020) [Xylene]
		STEL 15 minutes: 150 ppm.
		TWA 8 hours: 100 ppm.
titanium dioxide		ISHA Article 42 (Republic of Korea, 1/2020)
		TWA 8 hours: 10 mg/m <sup>3</sup> .
2-methylpropan-1-ol		ISHA Article 42 (Republic of Korea,
		1/2020)
		TWA 8 hours: 50 ppm.
ethylbenzene		ISHA Article 42 (Republic of Korea,
		1/2020)
		STEL 15 minutes: 125 ppm.
		TWA 8 hours: 100 ppm.
crystalline silica, respirab	le powder (<10 microns)	ISHA Article 42 (Republic of Korea,
		1/2020)
		TWA 8 hours: 0.05 mg/m <sup>3</sup> . Form:
12 hydroxycotodoconcie	acid reaction products with	Respirable fraction. ACGIH TLV (United States)
	ine and hexamethylenediamine	TWA: 10 mg/m <sup>3</sup> . Form: Inhalable particle
1,5-benzeneumethanam		TWA: 10 mg/m <sup>2</sup> . Form: inhalable particle TWA: 3 mg/m <sup>3</sup> (inhalable dust). Form:
		Respirable particle.
carbon black		ISHA Article 42 (Republic of Korea,
Carbon black		1/2020)
		TWA 8 hours: 3.5 mg/m <sup>3</sup> . Form: inhalabl
		fraction.
Recommended	: Reference should be made to app	propriate monitoring standards. Reference to
monitoring procedures	national guidance documents for substances will also be required.	methods for the determination of hazardous
Appropriate engineering		n. Use process enclosures, local exhaust
controls		ontrols to keep worker exposure to airborne
		ended or statutory limits. The engineering control
	also need to keep gas, vapor or d limits. Use explosion-proof ventil	lust concentrations below any lower explosive ation equipment.
Environmental		k process equipment should be checked to ensu
exposure controls		s of environmental protection legislation. In som
	cases, fume scrubbers, filters or e	engineering modifications to the process
	equipment will be necessary to re	duce emissions to acceptable levels.
Personal protective equip	oment	
Respiratory protection		ed on known or anticipated exposure levels, the
(copilatory protection		afe working limits of the selected respirator. If
	•	ations above the exposure limit, they must use
		Use a properly fitted, air-purifying or air-fed
		roved standard if a risk assessment indicates thi
	necessary.	
	necessary.	

Product code 000001182907

#### Product name SIGMACOVER 350 BASE GREY

### Section 8. Exposure controls/personal protection

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	: butyl 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

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

			cold water	No	t solubl	е	
L. 8	Solubility(ies)	:	Media	Re	sult		
			2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2	
			Ingredient name	mm Hg	kPa	Metho	
K. \	Vapor pressure	÷		Vapo	r Press	ure at 20	
e	Lower and upper explosive (flammable) limits	:	Not available.				
I. F	Flammability (solid, gas)	:	Not available.				
H. E	Evaporation rate	1	Not available.				
G. F	Flash point	:	Closed cup: 30°C (8	6°F)			
	Boiling point/boiling range	÷	>37.78°C (>100°F)				
	Melting/freezing point	÷	Not available.				
	pH	÷	Not applicable.				
C. (	Odor threshold	4	Not available.				
B. (	Odor	:	Aromatic. [Slight]				
(	Color	:	Gray.				
F	Physical state	÷	Liquid.				

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Vapor pressure at 50°C

Method

kPa

mm

Hg

Product code 000001182907

Product name SIGMACOVER 350 BASE GREY

# Section 9. Physical and chemical properties

- M. Relative density : 1.47 N. Partition coefficient: n- : Not applicable. octanol/water Auto-ignition :
- P. Auto-ignition temperature

	temperature							
			Ingredient name	°C	°F	Method		
			2-methylpropan-1-ol	415	779			
Q.	Decomposition temperature	:	Not available.					
R.	Viscosity	:	Øynamic (room temperature): Not available. Kinematic (room temperature): >400 mm²/s (>400 cSt) Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)					
	Flow time (ISO 2431)	:	Not available.					
S.	Molecular weight	:	Not applicable.					

### 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 metal oxide/oxides

### Section 11. Toxicological information

Α.	Information on the likely routes of exposure	/ : Not available.
<u>P</u>	otential acute health effe	<u>cts</u>
	Inhalation :	May cause respiratory irritation.
	Ingestion :	No known significant effects or critical hazards.
	Skin contact :	Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
	Eye contact :	Causes serious eye damage.
<u>0</u>	<u>ver-exposure signs/sym</u>	<u>otoms</u>
	Inhalation :	Adverse symptoms may include the following: respiratory tract irritation coughing
	Ingestion :	Adverse symptoms may include the following: stomach pains
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### Section 11. Toxicological information

Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Eye contact	: Adverse symptoms may include the following: pain watering redness

#### **B. Health hazards**

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
₽ poxy Resin (700 <mw<=1100)< p=""></mw<=1100)<>	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
,	LD50 Oral	Rat	4.3 g/kg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
benzyl alcohol	LC50 Inhalation Dusts and	Rat	>5 mg/l	4 hours
	mists			
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	1200 mg/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	-
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/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	-
12-hydroxyoctadecanoic acid reaction products with	LC50 Inhalation Dusts and mists	Rat	3.56 mg/l	4 hours
1,3-benzenedimethanamine and				
hexamethylenediamine				
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
carbon black	LD50 Oral	Rat	>10 g/kg	-

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

Irritation/Corrosion

### Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
bis-[4-(2,3-epoxipropoxi)phenyl] propane	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Eyes - Redness of the conjunctivae	Rabbit	0.4	24 hours	-
	Skin - Edema	Rabbit	0.5	4 hours	-
	Skin - Erythema/Eschar	Rabbit	0.8	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-

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

#### **Sensitization**

Product/ingredient name	e Route of exposure	Species	Result	
bis-[4-(2,3-epoxipropoxi) phenyl]propane	skin	Mouse	Sensitizing	
Conclusion/Summary				
Skin	: There are no data	available on the mixture itse	lf.	
Respiratory	: There are no data	available on the mixture itse	lf.	
<u>Mutagenicity</u> Conclusion/Summary	: There are no data	a available on the mixture itse	elf.	
Carcinogenicity Conclusion/Summary	: There are no data	a available on the mixture itse	əlf.	
Reproductive toxicity Conclusion/Summary	: There are no dat	a available on the mixture its	elf.	
<u>Teratogenicity</u> Conclusion/Summary	: There are no dat	a available on the mixture its	elf.	

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

Name	Classification	Route of exposure	Target organs
<b>F</b> alc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
Xylene	Category 3	-	Narcotic effects
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

### Section 11. Toxicological information

Name	Classification	Route of exposure	Target organs
Xylene	Category 1	-	central nervous system (CNS), kidneys, liver
12-hydroxyoctadecanoic acid reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	Category 2	-	-

#### Aspiration hazard

Name	Result
2-methylpropan-1-ol	ASPIRATION HAZARD - Category 2 ASPIRATION HAZARD - Category 2 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	: May cause 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. 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
$\mathbf{F}$ alc , not containing asbestiform fibres	CAS: 14807-96-6	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
	EC: 238-877-9	
crystalline silica, respirable powder (>10 microns)	CAS: 14808-60-7	CARCINOGENICITY - Category 1A
,	EC: 238-878-4	
Epoxy Resin (700 <mw<=1100)< td=""><td>CAS: 25036-25-3</td><td>SKIN IRRITATION - Category 2</td></mw<=1100)<>	CAS: 25036-25-3	SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
		SKIN SENSITIZATION - Category 1B
Xylene	CAS: 1330-20-7	FLAMMABLE LIQUIDS - Category 3
	EC: 215-535-7	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
	040 4075 54 0	(REPEATED EXPOSURE) - Category 1
bis-[4-(2,3-epoxipropoxi)phenyl]propane	CAS: 1675-54-3	SKIN IRRITATION - Category 2
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### Section 11. Toxicological information

	EC: 216-823-5	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
		AQUATIC HAZARD (LONG-TERM) - Category 2
benzyl alcohol	CAS: 100-51-6	ACUTE TOXICITY (oral) - Category 4
	EC: 202-859-9	EYE IRRITATION - Category 2A
	EC. 202-839-9	ASPIRATION HAZARD - Category 2
tite minune alienviale	CAC: 12462 67 7	
titanium dioxide	CAS: 13463-67-7	CARCINOGENICITY - Category 2
	EC: 236-675-5	
2-methylpropan-1-ol	CAS: 78-83-1	FLAMMABLE LIQUIDS - Category 3
	EC: 201-148-0	SKIN IRRITATION - Category 2
		SERIOUS EYE DAMAGE - Category 1
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
		ASPIRATION HAZARD - Category 2
ethylbenzene	CAS: 100-41-4	FLAMMABLE LIQUIDS - Category 2
	EC: 202-849-4	ACUTE TOXICITY (inhalation) - Category 4
	202 010 1	CARCINOGENICITY - Category 2
		ASPIRATION HAZARD - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 3
crystalline silica, respirable powder (<10	CAS: 14808-60-7	CARCINOGENICITY - Category 1A
microns)	CAS. 14808-00-7	CARCINOGENICITY - Calegory TA
	EC: 238-878-4	
12-hydroxyoctadecanoic acid reaction products with	CAS: 220926-97-6	ACUTE TOXICITY (oral) - Category 4
1,3-benzenedimethanamine and		
hexamethylenediamine		
	EC: 432-840-2	ACUTE TOXICITY (inhalation) - Category 4
		SPECIFIC TARGET ORGAN TOXICITY
		(REPEATED EXPOSURE) - Category 2
carbon black	CAS: 1333-86-4	CARCINOGENICITY - Category 2
	EC: 215-609-9	

### Section 12. Ecological information

#### A. Ecotoxicity

<b>Species</b> Daphnia - <i>daphnia magna</i> Daphnia Daphnia - <i>Daphnia magna</i> Daphnia Daphnia Daphnia - <i>Ceriodaphnia dubia</i> Algae - <i>Pseudokirchneriella</i>	Exposure 48 hours 21 days 48 hours 48 hours 48 hours - 72 hours
Daphnia Daphnia - <i>Daphnia magna</i> Daphnia Daphnia Daphnia - <i>Ceriodaphnia dubia</i> Algae - <i>Pseudokirchneriella</i>	21 days 48 hours 48 hours 48 hours -
Daphnia - <i>Daphnia magna</i> Daphnia Daphnia Daphnia - <i>Ceriodaphnia dubia</i> Algae - <i>Pseudokirchneriella</i>	48 hours 48 hours 48 hours -
Daphnia Daphnia Daphnia - <i>Ceriodaphnia dubia</i> Algae - <i>Pseudokirchneriella</i>	48 hours 48 hours -
Daphnia Daphnia - <i>Ceriodaphnia dubia</i> Algae - <i>Pseudokirchneriella</i>	48 hours -
Daphnia - Ceriodaphnia dubia Algae - Pseudokirchneriella	-
Algae - Pseudokirchneriella	- 72 hours
5	72 hours
subcapitata (microalgae)	
Daphnia - <i>Daphnia magna</i> (Water flea)	48 hours
Fish - Oncorhynchus mykiss (rainbow trout)	96 hours
Algae - Pseudokirchneriella	72 hours
( 	Water flea) Fish - Oncorhynchus mykiss rainbow trout)

### Section 12. Ecological information

Chronic NOEC ≥50 mg/l

subcapitata	
Daphnia - <i>Daphnia magna</i>	21 days
(Water flea)	

#### B. Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
ethylbenzene 12-hydroxyoctadecanoic acid reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	- OECD 301D Ready Biodegradability - Closed Bottle Test		adily - 10 days readily - 29 days	-		-
Product/ingredient name	Aquatic half-life	•	Photolysis	•	Biodeg	gradability
Xylene bis-[4-(2,3-epoxipropoxi) phenyl]propane benzyl alcohol ethylbenzene	- - -		- - -		Readily Not rea Readily Readily	adily /

#### C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
<b>X</b> ylene	3.12	7.4 to 18.5	Low
benzyl alcohol	0.87	-	Low
2-methylpropan-1-ol	1	-	Low
ethylbenzene	3.6	79.43	Low
12-hydroxyoctadecanoic acid reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	>6	-	High

#### 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.

### Section 13. Disposal considerations

- **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	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.
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

### Section 15. Regulatory information

Α.	Regulation according to ISHA		
	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.	

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#### Product name SIGMACOVER 350 BASE GREY

### Section 15. Regulatory information

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 have an OEL:

	The following components have an OEL:			
	ISHA Enforcement Regs Annex 19 (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: talc / soapstone, quartz, xylene, titanium dioxide, isobutyl alcohol, ethyl benzene, quartz	
	ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check- up)	:	The following components are listed: Xylene, Isobutyl alcohol, Ethyl benzene	
	Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control)	:	The following components are listed: xylene, titanium dioxide, isobutyl alcohol, ethyl benzene	
В.	. Regulation according to Chemicals Control Act			
	Article 11 (TRI)	1	The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene	
	Article 18 Prohibited (K- Reach Article 27)	:	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)	:	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.	
-	Begulation according to other foreign laws			

#### E. <u>Regulation according to other foreign laws</u>

Product code 000001182907

Date of issue <sup>11/20/2024</sup> (month/day/year)

Product name SIGMACOVER 350 BASE GREY

### Section 15. Regulatory information

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

### Section 16. Other information

A. References	<ul> <li>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.</li> </ul>
B. First issue date	: 3/25/2024
C. Date of issue/Date of revision	: 11/20/2024
D. Version	: 2
Prepared by	: EHS
E Other	

#### 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.