# **SAFETY DATA SHEET**



#### Date of issue 12/20/2023 (month/day/year)

Version 4

### Section 1. Chemical product and company identification

Α.	Product name	: SIGMAGUARD CSF 585 BASE WHITE
	Product code	: 00393263

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

Product use	: 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 or Importer's information	: PPG SSC (680-090) 19, Yeocheon-ro 217beon-gil, Nam-gu, Ulsan, Korea Tel: +82-52-210-8222 Karaa MSDS@RRC COM
Email Address	Korea.MSDS@PPG.COM
Emergency telephone number:	: +82-52-210-8222

### Section 2. Hazards identification

A. Hazard classification	: SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 1A
	AQUATIC HAZARD (LONG-TERM) - Category 2

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 : H315 - Causes skin irritation. **Hazard statements** H317 - May cause an allergic skin reaction.

- H319 Causes serious eye irritation.
- H350 May cause cancer.
- H411 Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

Korea (GHS) Page: 1/13

Product name SIGMAGUARD CSF 585 BASE WHITE

### Section 2. Hazards identification

	Prevention	:	<ul> <li>202 - Do not handle until all safety precautions have been read and understood.</li> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P273 - Avoid release to the environment.</li> <li>P261 - Avoid breathing vapor.</li> <li>P264 - Wash thoroughly after handling.</li> </ul>
	Response	:	<ul> <li>P391 - Collect spillage.</li> <li>P308 + P313 - IF exposed or concerned: Get medical advice or attention.</li> <li>P362 + P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P302 + P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337 + P313 - If eye irritation persists: Get medical advice or attention.</li> </ul>
	Storage	:	Not applicable.
	Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
С.	Other hazards which do	:	None known.

not result in classification

### Section 3. Composition/information on ingredients

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

CAS number

: Not applicable.

Chemical name	Common name	Identifiers	%
s-[4-(2,3-epoxipropoxi)phenyl]propane	Bisphenol A diglycidyl ether	CAS: 1675-54-3	40 - <50
1,6-bis(2,3-epoxypropoxy)hexane Talc , not containing asbestiform fibres titanium dioxide crystalline silica, respirable powder (>10 microns)	1,6-HEXANDIOLGLYCIDETHER Talc, non-asbestos form TITANIUM DIOXIDE QUARTZ (>10 microns)	CAS: 16096-31-4 CAS: 14807-96-6 CAS: 13463-67-7 CAS: 14808-60-7	10 -<20 1 - <5 1 - <5 0.1 - <1
xylene	o-Xylene	CAS: 95-47-6	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

- A. 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.
- **B.** 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.

### Section 4. First aid measures

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

Extinguishing media Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic 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 halogenated compounds metal oxide/oxides
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.
	media Unsuitable extinguishing media Specific hazards arising from the chemical Hazardous thermal decomposition products Special equipment for fire-fighting	Suitable extinguishing media:Unsuitable extinguishing media:Specific hazards arising from the chemical:Hazardous thermal decomposition products:Special equipment for fire-fighting:

### Section 6. Accidental release measures

A. Personal precautions,	1	No action shall be taken involving any personal risk or without suitable training.
protective equipment and		Evacuate surrounding areas. Keep unnecessary and unprotected personnel from
emergency procedures		entering. Do not touch or walk through spilled material. Avoid breathing vapor or
		mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is
		inadequate. Put on appropriate personal protective equipment.

### Section 6. Accidental release measures

B. Environmental	: Avoid dispersal of spilled material and runoff and contact with soil, waterways,
precautions	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. Collect spillage.

#### C. Methods and materials for containment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. 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. 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

Α.	Precautions for safe handling	:	Fut 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 ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Β.	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 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. 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

## Section 8. Exposure controls/personal protection

	Ingredient name			Exposure limits	
	✓alc , not containing asbestiform fibres titanium dioxide crystalline silica, respirable powder (>10 microns)			Ministry of Employment and Labor (Republic of Korea, 1/2020). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: fibers 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 <b>Ministry of Employment and Labor</b> <b>(Republic of Korea, 1/2020).</b> TWA: 0.05 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction	
	xylene			Ministry of Employment and Labor (Republic of Korea, 1/2020). [Xylene (all isomers)] STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.	
	Recommended : monitoring procedures			iate monitoring standards. Reference to ods for the determination of hazardous	
8.	Appropriate engineering controls	:	: If user operations generate dust, fumes, gas, vapor or mist, use process end local exhaust ventilation or other engineering controls to keep worker exposi airborne contaminants below any recommended or statutory limits.		
	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.		
	Personal protective equipment				
	Respiratory protection	:	: Respirator selection must be based on known or anticipated exposure levels, th 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 th necessary.		
	Eye protection		Chemical splash goggles.		
be worn at all times when hand this is necessary. Considering check during use that the glove should be noted that the time to different for different glove man		be worn at all times when handling che this is necessary. Considering the par check during use that the gloves are s should be noted that the time to break different for different glove manufactur several substances, the protection time	s complying with an approved standard should emical products if a risk assessment indicates rameters specified by the glove manufacturer still retaining their protective properties. It through for any glove material may be rers. In the case of mixtures, consisting of the of the gloves cannot be accurately		
	Gloves	1	butyl rubber		
	Body protection	:		body should be selected based on the task d and should be approved by a specialist	

Product code 00393263

Product name SIGMAGUARD CSF 585 BASE WHITE

### Section 8. Exposure controls/personal protection

- **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

: Not available.

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

A. Appearance	e
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	Physical state	:	Liquid.
	Color	1	White.
В.	Odor	1	Characteristic.
<b>C</b> .	Odor threshold	1	Not available.
D.	рН	:	Not applicable.
Е.	Melting/freezing point	:	Not available.
F.	Boiling point/boiling range	;	>37.78°C (>100°F)
G.	Flash point	:	Closed cup: Not applicable.
н.	Evaporation rate	:	Not available.

- Flammability (solid, gas) : Not available. I.
- Lower and upper J. explosive (flammable) limits
- . .

K.	Vapor pressure	1		Vapor Pres			Va	por press	sure at 50°C
			Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
			∫,6-bis (2,3-epoxypropoxy) hexane	0.067505535	0.009				
L.	Solubility(ies)		Media	Re	sult				
	····· <b>·</b> (····)		old water	No	t solubl	е			
	Solubility in water	:	Not available.						
М.	Vapor density	1	Not available.						
N.	Relative density	1	1.4						
N. O.	Partition coefficient: n- octanol/water	:	Not applicable.						
Ρ.	Auto-ignition temperature	:	Not available.						
Q.	Decomposition temperature	:	Not available.						
R.	Viscosity	1	Kinematic (40°C (10	94°F)): >21	mm²/s	(>21 cSt)			
п.	Flow time (ISO 2431)	:	Not available.						
	Molecular weight	:	Not applicable.						
							Korea	(GHS)	Page: 6/1

#### Korea (GHS) Page: 6/13

Version 4

Product name SIGMAGUARD CSF 585 BASE WHITE

### Section 9. Physical and chemical properties

#### S.

### 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 halogenated compounds metal oxide/oxides

## Section 11. Toxicological information

	6
A. Information on th routes of exposu	· · · · · · · · · · · · · · · · · · ·
Potential acute heal	th effects
Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Eye contact	: Causes serious eye irritation.
Over-exposure sign	<u>s/symptoms</u>
Inhalation	: No specific data.
Ingestion	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
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
s-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
titanium dioxide	LC50 Inhalation Dusts and	Rat	>6.82 mg/l	4 hours
	mists		Ū Ū	
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
xylene	LC50 Inhalation Vapor	Rat	27124 mg/m <sup>3</sup>	4 hours
,	LD50 Dermal	Rabbit	12126 mg/kg	-
	LD50 Oral	Rat	3523 mg/kg	-
			Korea (GHS)	Page: 7/13

Product name SIGMAGUARD CSF 585 BASE WHITE

### Section 11. Toxicological information

Conclusion/Summary

: There are no data available on the mixture itself.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
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/Summary	
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	
<u>Conclusion/Summary</u> Skin Respiratory		a available on the mixture itself. a available on the mixture itself.		
<u>Mutagenicity</u> Conclusion/Summary	: There are no dat	a available on the mixture itself.		
<u>Carcinogenicity</u> Conclusion/Summary	: There are no dat	ta available on the mixture itself		
Reproductive toxicity Conclusion/Summary	: There are no da	ta available on the mixture itsel	f.	
<u>Teratogenicity</u> Conclusion/Summary	: There are no da	ta available on the mixture itsel	f.	

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

Name	Classification	Route of exposure	Target organs
√alc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Product name SIGMAGUARD CSF 585 BASE WHITE

### Section 11. Toxicological information

Name	Classification	Route of exposure	Target organs
<b>x</b> ylene	Category 2	-	-

#### **Aspiration hazard**

Name	Result
xylene	ASPIRATION HAZARD - Category 1

#### Potential chronic health effects

General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity Mutagenicity	<ul> <li>May cause cancer. Risk of cancer depends on duration and level of exposure.</li> <li>No known significant effects or critical hazards.</li> </ul>
Reproductive toxicity	: No known significant effects or critical hazards.

#### **Additional information**

Sanding and grinding dusts may be harmful if inhaled.

Chemical name	Identifiers	GHS Classification
bis-[4-(2,3-epoxipropoxi)phenyl]propane	CAS: 1675-54-3	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
		SKIN SENSITIZATION - Category 1B AQUATIC HAZARD (LONG-TERM) - Category 2
1,6-bis(2,3-epoxypropoxy)hexane	CAS: 16096-31-4	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
Tala not containing achostiform fibras	CAS: 14007.0C.C	AQUATIC HAZARD (LONG-TERM) - Category 3
Talc , not containing asbestiform fibres	CAS: 14807-96-6	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) -
titanium dioxide	CAS: 13463-67-7	Category 3 CARCINOGENICITY - Category 2
crystalline silica, respirable powder (>10 microns)	CAS: 14808-60-7	CARCINOGENICITY - Category 1A
xylene	CAS: 95-47-6	FLAMMABLE LIQUIDS - Category 3
		ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
		TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY
		(REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1

### Section 12. Ecological information

#### A. Ecotoxicity

Product/ingredient name	Result	Species	Exposure
bís-[4-(2,3-epoxipropoxi) phenyl]propane	Acute LC50 1.8 mg/l Fresh water	Daphnia - <i>daphnia magna</i>	48 hours
titanium dioxide	Chronic NOEC 0.3 mg/l Acute LC50 >100 mg/l Fresh water	Daphnia Daphnia - <i>Daphnia magna</i>	21 days 48 hours

#### B. Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
<b>x</b> ylene	OECD 301F	94 % - Rea	adily - 28 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
pís-[4-(2,3-epoxipropoxi) phenyl]propane xylene	-		-		Not rea Readily	

#### C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
	0.822	-	Low
xylene	3.12	14.13	Low

D. Mobility in soil

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

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

### Section 13. Disposal considerations

- A. Disposal methods
   The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- B. Disposal precautions
   This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. 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	UN3082	UN3082	UN3082
B. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	₩is-[4-(2,3-epoxipropoxi) phenyl]propane)	₩is-[4-(2,3-epoxipropoxi) phenyl]propane)	₩is-[4-(2,3-epoxipropoxi) phenyl]propane)
C. Transport hazard class(es)	9	9	9
D. Packing group	III		III
Environmental hazards	Yes.	Yes.	Yes.
E. Marine pollutant substances	Not applicable.	(bis-[4-(2,3-epoxipropoxi) phenyl]propane)	Not applicable.

#### **Additional information**

UN	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
IMDG	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
ΙΑΤΑ	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

# 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 I	<u>SHA</u>
	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 Chemical Substances and Physical Factors

Korea (GHS) Page: 11/13

Version 4

Product name SIGMAGUARD CSF 585 BASE WHITE

### Section 15. Regulatory information

,	The following component Falc , not containing asbe titanium dioxide		
	crystalline silica, respirabl xylene	powder (>10 microns)	
	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: talc / soapstone, titanium dioxide	
	ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check- up)	: None of the components are listed.	
	Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control)	: The following components are listed: titanium dioxide	
В.	Regulation according to	hemicals Control Act	
	Article 11 (TRI)	: None of the components are listed.	
	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	: All components are listed or exempted.	
	Article 39 (Accident Precaution Chemicals)	: None of the components are listed.	
C.	Dangerous Materials Safety Management Act	: Not applicable.	
D.	Wastes regulation	: Dispose of contents and container in accordance with all local, regional, natio and international regulations.	nal
Ε.	Regulation according to	ther foreign laws	
	Safety, health and environmental regulations specific for the product	: No known specific national and/or regional regulations applicable to this produ (including its ingredients).	uct
		Korea (GHS) Page	· 12
1			

Product code 0	0393263
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Date of issue 12/20/2023 (month/day/year)

Product name SIGMAGUARD CSF 585 BASE WHITE

### 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. Date of issue/Date of revision	: 12/20/2023
C. Version	: 4
Prepared by	: EHS

#### 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.