SAFETY DATA SHEET



Date of issue 8/17/2023 (month/day/year)

Version 16

Section 1. Chemical product and company identification

A. Product name	: SF CHLORO FINISH 7000 WHITE
Product code	: 00243917

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

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

Section 2. Hazards identification

A. Hazard classification	: FLAMMABLE LIQUIDS - Category 3
	SKIN IRRITATION - Category 2
	EYE IRRITATION - Category 2A
	CARCINOGENICITY - Category 2
	TOXIC TO REPRODUCTION - Effects on or via lactation
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract
	irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
	Category 3
	SPEČIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	AQUATIC HAZARD (ACUTE) - Category 1
	AQUATIC HAZARD (LONG-TERM) - Category 1
This product is classified in	accordance with the Industrial Safety and Health Act and the Chemical Control Act

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

В.	GHS label elements, including precautionary statements			
	Symbol			
	Signal word	: Warning		

Korea (GHS) Page: 1/16

Section 2. Hazards identification

	Hazard statements	:	 F226 - Flammable liquid and vapor. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H362 - May cause harm to breast-fed children. H373 - May cause damage to organs through prolonged or repeated exposure. (central nervous system (CNS), kidneys, liver) H410 - Very toxic to aquatic life with long lasting effects.
	Precautionary statements		
	Prevention	:	 P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating or lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P273 - Avoid release to the environment. P260 - Do not breathe vapor. P263 - Avoid contact during pregnancy and while nursing. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling.
	Response	:	 P391 - Collect spillage. P308 + P313 - IF exposed or concerned: Get medical advice or attention. P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Storage	:	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. P403 + P235 - Keep cool.
	Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
).	Other hazards which do not result in classification	:	Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

CAS number/other identifiers

CAS number

С

: Not applicable.

Korea (GHS) Page: 2/16

Section 3. Composition/information on ingredients

Chemical name	Common name	Identifiers	%
titanium dioxide	TITANIUM DIOXIDE	CAS: 13463-67-7	10 -<20
dimethyl carbonate	DIMETHYL CARBONATE	CAS: 616-38-6	10 -<20
Solvent naphtha (petroleum), light	SOLVENT NAPHTHA (PETROLEUM),	CAS: 64742-95-6	10 -<20
aromatic	LIGHT AROMATIC		
Xylene	XYLENES	CAS: 1330-20-7	5 - <10
1,2,4-trimethylbenzene	1,2,4-TRIMETHYL BENZENE	CAS: 95-63-6	5 - <10
chloroalkanes(C=14~17)	C14-C17 CHLORINATED	CAS: 85535-85-9	1 - <5
	HYDROCARBONS		
ethylbenzene	ETHYLBENZENE	CAS: 100-41-4	1 - <5
mesitylene	1,3,5-TRIMETHYLBENZENE	CAS: 108-67-8	1 - <5
propylbenzene	PROPYLBENZENE	CAS: 103-65-1	1 - <5
cumene	CUMENE	CAS: 98-82-8	0.1 - <1
ethanol	ETHYL ALCOHOL	CAS: 64-17-5	0.1 - <1
titanium dioxide (<10 microns)	TITANIUM DIOXIDE (<10 microns)	CAS: 13463-67-7	0.1 - <1
propylidynetrimethanol	TRIMETHYLOLPROPANE	CAS: 77-99-6	0.1 - <1
methyl alcohol	METHYL ALCOHOL	CAS: 67-56-1	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	:	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	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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media		
Suitable extinguishing media	:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	:	Do not use water jet.
Specific hazards arising from the chemical	:	An mable 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 very 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
	media Unsuitable extinguishing media Specific hazards arising from the chemical Hazardous thermal decomposition products Special equipment for fire-fighting	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, 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. Collect spillage.

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

Korea (GHS) Page: 4/16

Section 6. Accidental release measures

emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Α.	Precautions for safe handling	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid contact during pregnancy or while nursing. 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.
в.	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
titanium dioxide	Ministry of Employment and Labor
	(Republic of Korea, 1/2020).
	TWA: 10 mg/m ³ 8 hours. Form: total dust
	with less than 1% of free SiO2
Xylene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020). [Xylene (all
	isomers)]
	STEL: 150 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
1,2,4-trimethylbenzene	Ministry of Employment and Labor
•	(Republic of Korea, 1/2020). [Trimethyl
	benzene (mixed isomers)]
	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.
mesitylene	Ministry of Employment and Labor
	(Republic of Korea, 1/2020). [Trimethyl
	benzene (mixed isomers)]
	TWA: 25 ppm 8 hours.
cumene	Ministry of Employment and Labor
	Korea (GHS) Page: 5/1

Section 8. Exposure controls/personal protection

			<u> </u>	
			(Republic of Korea, 1/ through skin.	
	ethanol		TWA: 50 ppm 8 hours Ministry of Employme	nt and Labor
			(Republic of Korea, 1/ TWA: 1000 ppm 8 hou	irs.
	titanium dioxide (<10 micro	ons	(Republic of Korea, 1/	2020).
	methyl alcohol		TWA: 10 mg/m ³ 8 hou with less than 1% of fre Ministry of Employme (Republic of Korea, 1/ through skin. STEL: 250 ppm 15 min TWA: 200 ppm 8 hour	e SiO2 nt and Labor 2020). Absorbed nutes.
	Recommended monitoring procedures	:	Reference should be made to appropriate monitoring standards national guidance documents for methods for the determination substances will also be required.	
В.	Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, lo ventilation or other engineering controls to keep worker exposu contaminants below any recommended or statutory limits. The also need to keep gas, vapor or dust concentrations below any limits. Use explosion-proof ventilation equipment.	re to airborne engineering controls
	Environmental exposure controls	:	Emissions from ventilation or work process equipment should be they comply with the requirements of environmental protection cases, fume scrubbers, filters or engineering modifications to the equipment will be necessary to reduce emissions to acceptable	egislation. In some le process
С.	Personal protective equip	m	ent	
	Respiratory protection		Respirator selection must be based on known or anticipated exhazards of the product and the safe working limits of the select workers are exposed to concentrations above the exposure lim appropriate, certified respirators. Use a properly fitted, air-puri respirator complying with an approved standard if a risk assess necessary.	ed respirator. If it, they must use fying or air-fed
	Eye protection		Chemical splash goggles.	
	Hand protection		Chemical-resistant, impervious gloves complying with an appro be worn at all times when handling chemical products if a risk a this is necessary. Considering the parameters specified by the check during use that the gloves are still retaining their protecti should be noted that the time to breakthrough for any glove ma different for different glove manufacturers. In the case of mixtu several substances, the protection time of the gloves cannot be estimated.	assessment indicates glove manufacturer, ve properties. It iterial may be ires, consisting of e accurately
	Gloves	:	For prolonged or repeated handling, use the following type of g	loves:
			May be used: nitrile rubber Recommended: polyvinyl alcohol (PVA), Viton®	

Product code 00243917

Product name SF CHLORO FINISH 7000 WHITE

Section 8. Exposure controls/personal protection

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. 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.

Α.	Appearance							
	Physical state	: Liquid.						
	Color	: White.						
В.	Odor	: Aromatic.						
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: 25°C (7	7°F)					
н.	Evaporation rate	: Not available.						
Т.	Flammability (solid, gas)	: Not available.						
J.	Lower and upper explosive (flammable) limits	: Greatest known rang	ge: Lower:	4.2% U	pper: 12.9	% (dimet	hyl carbona	ate)
К.	Vapor pressure	:	Vapo	r Pressu	re at 20°C	V	apor press	sure at 50°C
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		dimethyl carbonate	56.78	7.6	OECD 104			
L.	Solubility(ies)	Media	Re	sult	•			
		cold water	No	t soluble				
	Solubility in water	: Not available.						
М.	Vapor density	: Not available.						
N.	Relative density	: 1.18						
0.	Partition coefficient: n- octanol/water	: Not applicable.						
Ρ.	Auto-ignition temperature	:						
		Ingredient name		°C	°F		Method	

Solvent naphtha (petroleum), light aromatic	280 to 470	536 to 878		
		Kore	a (GHS)	Page: 7/16

Section 9. Physical and chemical properties

Q.	Decomposition temperature	: Not available.
Р	Viscosity	: Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)
к.	Flow time (ISO 2431)	: Not available.
s	Molecular weight	: Not applicable.

Section 10. Stability and reactivity

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

Section 11. Toxicological information

Α.	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. May cause respiratory irritation.
Ingestion	: Can cause central nervous system (CNS) depression.
Skin contact	: Causes skin irritation. Defatting to the skin.
Eye contact	: Causes serious eye irritation.

Over-exposure signs/symptoms

Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Section 11. Toxicological information

Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
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
iitanium 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	-
dimethyl carbonate	LC50 Inhalation Vapor	Rat	140000 mg/m ³	4 hours
-	LD50 Dermal	Rabbit	2.5 g/kg	-
	LD50 Oral	Rat	12.9 g/kg	-
Solvent naphtha (petroleum), light	LD50 Dermal	Rabbit	3.48 g/kg	-
aromatic			0- 0	
	LD50 Oral	Rat	8400 mg/kg	_
Xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
5	LD50 Oral	Rat	4.3 g/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m ³	4 hours
·,_, · · ······························	LD50 Oral	Rat	5 g/kg	-
chloroalkanes(C=14~17)	LC50 Inhalation Vapor	Rat	>48.17 g/m ³	1 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	
mesitylene	LC50 Inhalation Vapor	Rat	24000 mg/m ³	4 hours
meanyiene	LD50 Oral	Rat	5000 mg/kg	-
propylbenzene	LD50 Oral	Rat	6040 mg/kg	
cumene	LC50 Inhalation Vapor	Rat	39000 mg/m ³	- 4 hours
cumene	LD50 Dermal	Rabbit	12.3 g/kg	4 110015
	LD50 Oral	Rat	2260 mg/kg	-
ethanol	LC50 Inhalation Vapor	Rat	124700 mg/m ³	- 4 hours
	LD50 Dermal	Rat	17100 mg/kg	- nouis
	LD50 Definal LD50 Oral	Rat	7 g/kg	-
titanium dioxide (<10 microns)	LC50 Inhalation Dusts and	Rat	>6.82 mg/l	- 4 hours
		Rai	~0.02 mg/i	4 nours
	mists	Dabbit	>5000 mg/kg	
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat Dabbit	>5000 mg/kg	-
propylidynetrimethanol	LD50 Dermal	Rabbit	10 g/kg	-
	LD50 Oral	Rat	14000 mg/kg	-
methyl alcohol	LC50 Inhalation Vapor	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-

Korea (GHS) Pag

Product code 00243917

Date of issue 8/17/2023 (month/day/year)

Product name SF CHLORO FINISH 7000 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
			Ocore	-	
X ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
Conclusion/Summary					
Skin :	There are no data available o	n the mixture it	tself.		
Eyes :	There are no data available o	n the mixture i	tself.		
Respiratory :	There are no data available o	n the mixture it	tself.		
Sensitization					
Conclusion/Summary					
	There are no data available on				
Respiratory :	Γhere are no data available on	the mixture its	self.		
Mutagonicity					
Mutagenicity					
Conclusion/Summary :	There are no data available or	n the mixture its	self.		
Carcinogenicity					
	There are no data available a	n the mixture it	aalf		
Conclusion/Summary :	There are no data available of		sen.		
Reproductive toxicity					
Reproductive toxicity					
Conclusion/Summary :	There are no data available o	in the mixture i	tself.		
Torotogonicity					
Teratogenicity	T I		6		
Conclusion/Summary :	There are no data available o	n the mixture i	tself.		

Specific target organ toxicity (single exposure)

Name	Classification	Route of exposure	Target organs
dimethyl carbonate	Category 3	-	Respiratory tract irritation
Solvent naphtha (petroleum), light aromatic	Category 3	-	Narcotic effects
Xylene	Category 3	-	Narcotic effects
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract irritation
mesitylene	Category 3	-	Respiratory tract irritation
propylbenzene	Category 3	-	Respiratory tract irritation
methyl alcohol	Category 1	-	-

Specific target organ toxicity (repeated exposure)

Name	Classification	Route of exposure	Targ	et organs
Xylene	Category 1	-	syster	l nervous n (CNS), /s, liver
		Korea	a (GHS)	Page: 10/16

Section 11. Toxicological information

Aspiration hazard

Name	Result
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
propylbenzene	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	: May cause harm to breast-fed children.

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.

Identifiers	GHS Classification
CAS: 13463-67-7 CAS: 616-38-6	CARCINOGENICITY - Category 2 FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
CAS: 64742-95-6	FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1
CAS: 1330-20-7	AQUATIC HAZARD (LONG-TERM) - Category 2 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
CAS: 95-63-6	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 2
	CAS: 13463-67-7 CAS: 616-38-6 CAS: 64742-95-6 CAS: 1330-20-7

Section 11. Toxicological information

chloroalkanes(C=14~17)	CAS: 85535-85-9	TOXIC TO REPRODUCTION - Effects on or via
$(\mathbf{C} - 1 1 1 7)$		lactation
		AQUATIC HAZARD (ACUTE) - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 1
ethylbenzene	CAS: 100-41-4	FLAMMABLE LIQUIDS - Category 2
		ACUTE TOXICITY (inhalation) - Category 4
		CARCINOGENICITY - Category 2
		ASPIRATION HAZARD - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 3
mesitylene	CAS: 108-67-8	FLAMMABLE LIQUIDS - Category 3
······································		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3
		AQUATIC HAZARD (LONG-TERM) - Category 2
propylbenzene	CAS: 103-65-1	FLAMMABLE LIQUIDS - Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Respiratory tract irritation) -
		Category 3
		ASPIRATION HAZARD - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 2
cumene	CAS: 98-82-8	FLAMMABLE LIQUIDS - Category 3
		CARCINOGENICITY - Category 2
ethanol	CAS: 64-17-5	FLAMMABLE LIQUIDS - Category 2
		EYE IRRITATION - Category 2A
		CARCINOGENICITY - Category 2
titanium dioxide (<10 microns)	CAS: 13463-67-7	CARCINOGENICITY - Category 2
propylidynetrimethanol	CAS: 77-99-6	TOXIC TO REPRODUCTION - Category 2
methyl alcohol	CAS: 67-56-1	FLAMMABLE LIQUIDS - Category 2
,		ACUTE TOXICITY (oral) - Category 3
		ACUTE TOXICITY (dermal) - Category 3
		ACUTE TOXICITY (inhalation) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) - Category 1
		AQUATIC HAZARD (LONG-TERM) - Category 3

Section 12. Ecological information

A. Ecotoxicity

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
dimethyl carbonate	Acute LC50 >100 mg/l	Fish	96 hours
Solvent naphtha (petroleum), light aromatic	Acute LC50 8.2 mg/l	Fish	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
ethanol	Acute EC50 7640 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
titanium dioxide (<10 microns)	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
propylidynetrimethanol	Acute LC50 >1000 mg/l	Fish	96 hours
methyl alcohol	Acute LC50 13 mg/l Fresh water	Fish	96 hours

B. Persistence and degradability

Section 12. Ecological information

Product/ingredient name	Test	Result		Dose		Inoculum
ethylbenzene	-	79 % - Rea	adily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
₩ylene ethylbenzene ethanol	- - -		-		Readily Readily Readily	

C. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
dimethyl carbonate	0.354	-	Low
Xylene	3.12	7.4 to 18.5	Low
1,2,4-trimethylbenzene	3.63	120.23	Low
chloroalkanes(C=14~17)	4.7 to 8.3	-	High
ethylbenzene	3.6	79.43	Low
mesitylene	3.42	186.21	Low
propylbenzene	3.69	-	Low
cumene	3.55	35.48	Low
ethanol	-0.35	-	Low
propylidynetrimethanol	-0.47	-	Low
methyl alcohol	-0.77	-	Low

D. Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

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

Section 13. Disposal considerations

Α.	Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
_		

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 PAINT shipping name		PAINT	PAINT
C. Transport hazard class(es)	3	3	3
D. Packing group	III	III	I
Environmental hazardsYes. The environmentally hazardous substance mark is not required.		Yes.	Yes. The environmentally hazardous substance mark is not required.
E. Marine pollutant substances	Not applicable.	(Solvent naphtha (petroleum), light aromatic, 1,2,4-trimethylbenzene)	Not applicable.

Additional information

ΙΑΤΑ

UN	: None identified.
IMDG	: The marine pollut

- : The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg.
- : The environmentally hazardous substance mark may appear if required by other transportation regulations.

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.			
	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:

Section 15. Regulatory information

If Enrium dioxide Xylene 1.2.4.trimethylbenzene erhyblenzene mesilylene cumene ethanol Itamium dioxide (<10 microns) methyl alcohol IBHA Enforcement Regs : The following components are listed: methanol Annex 19 (Exposure standards established for harmful factors) IBHA Enforcement Regs : The following components are listed: itianium dioxide, xylene, ethyl benzene Annex 21 (Harmful factors subject to Work Environment Measurement) IBHA Enforcement Regs : The following components are listed: itianium dioxide, xylene, ethyl benzene Annex 22 (Harmful Factors Subject to Special Health Check- up) Standard of Industrial : The following components are listed: itianium dioxide, xylene, ethyl benzene Annex 12 (Hazardous substances subject to control) B. Regulation according to Chemicals Control Act Article 11 (TR) : The following components are listed: Xylene including o-m-,p- isomer, Ethylbenzene Article 13 Prohibited (K- Article 14) Article 19 Subject to authorization (K-Reach Article 25) : None of the components are listed. Reach Article 27) Article 10 Rus biolog (K- Reach Article 27) : None of the components are listed. Reach Article 20) Korea inventory : All components are listed or exempted. Article 39 (Accident Safety Management Act Safety Management Act C. Dangerous Materialis Safety Management Act : Class 2 enricenues - Water-insoluble liquid Thresholi: 1000 L Danger category: III					
Annex 19 (Exposure standards established for harmful factors) ISHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment Measurement) : The following components are listed: titanium dioxide, xylene, ethyl benzene Annex 22 (Harmful Factors Subject to Special Health Check- up) ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check- up) : The following components are listed: Xylene, Ethyl benzene Annex 12 (Hazardous substances subject to control) B. Regulation according to Chemicals Control Act Article 18 Prohibited (K- Reach Article 27) : The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene Article 18 Prohibited (K- Reach Article 27) Article 20 Restricted (K- Reach Article 27) : None of the components are listed. None of the components are listed. None of the components are listed. Article 20 Toxic Article 20 Toxic Chemicals (K-Reach Article 20 Toxic Chemicals (K-Reach Article 39 (Accident Article 39 (Accident Article 39 (Accident Article 39 (Accident Article 39 (Accident Fibe following components are listed: chloroalkanes(C=14~17) C. Dangerous Materials Safety Management Act : Class: Class 4 - Flammable Liquid Item: 4. Class 2 petroleums - Water-insoluble liquid Threshold: 1000 L Danger cottgory: III		Xylene 1,2,4-trimethylbenzene ethylbenzene mesitylene cumene ethanol titanium dioxide (<10 micr methyl alcohol			
SHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment : The following components are listed: titanium dioxide, xylene, ethyl benzene Measurement) : The following components are listed: Xylene, Ethyl benzene Annex 22 (Harmful Factors Subject to Special Health Check- up) : The following components are listed: Xylene, Ethyl benzene Safety and Health Annex 12 (Hazardous substances subject to control) : The following components are listed: titanium dioxide, xylene, ethyl benzene Safety and Health Annex 12 (Hazardous substances subject to control) : The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene Article 11 (TRI) : The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene Article 19 Prohibited (K- Reach Article 27) : None of the components are listed. Article 19 Subject to authorization (K-Reach Article 20 : 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) : If for following components are listed or exempted. Article 39 (Accident Precaution Chemicals : If following components are listed is chloroalkanes(C=14~17) Precaution Chemicals : Class: Class 4 - Flammable Liquid Item: 4. Class 2 petroleums - Water-insoluble liquid Thresholt: 1000 L Danger category: Ill		Annex 19 (Exposure standards established	:	The following components are listed: methanol	
Annex 22 (Harmful Factors Subject to Special Health Check- up) : The following components are listed: titanium dioxide, xylene, ethyl benzene Safety and Health Annex 12 (Hazardous substances subject to control) B. Regulation according to Chemicals Control Act Article 11 (TRI) : The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene Article 18 Prohibited (K- Reach Article 27) Article 19 Subject to authorization (K-Reach Article 20) : None of the components are listed. Article 20 Restricted (K- Reach Article 27) : None of the components are listed. Article 20 Restricted (K- Reach Article 20) : None of the components are listed. Article 20 Toxic Chemicals (K-Reach Article 20) : None of the components are listed. Korea inventory : All components are listed or exempted. Article 20) : The following components are listed: chloroalkanes(C=14~17) C. Dangerous Materials Safety Management Act : Class: Class 4 - Flammable Liquid Threshold: 1000 L Danger category: III		ISHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment	:	The following components are listed: titanium dioxide, xylene, ethyl benzene	
Safety and Health Annex 12 (Hazardous substances subject to control) B. Regulation according to Chemicals Control Act Article 11 (TRI) : 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) : None of the components are listed. Korea inventory : All components are listed or exempted. Article 39 (Accident Precaution Chemicals) : The following components are listed: chloroalkanes(C=14~17) 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		Annex 22 (Harmful Factors Subject to Special Health Check-	:	The following components are listed: Xylene, Ethyl benzene	
Article 11 (TRI) : 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) : None of the components are listed. Korea inventory Article 39 (Accident Precaution Chemicals) : All components are listed or exempted. 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		Safety and Health Annex 12 (Hazardous substances subject to	:	The following components are listed: titanium dioxide, xylene, ethyl benzene	
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) : None of the components are listed. Korea inventory Article 39 (Accident Precaution Chemicals) : All components are listed or exempted. 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	В.	. Regulation according to Chemicals Control Act			
Reach Article 27) 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) : None of the components are listed or exempted. Korea inventory : All components are listed or exempted. Article 39 (Accident Precaution Chemicals) : Me following components are listed: chloroalkanes(C=14~17) 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		Article 11 (TRI)	:	The following components are listed: Xylene including o-,m-,p- isomer, Ethylbenzene	
authorization (K-Reach Article 25) . Article 20 Restricted (K- Reach Article 27) : None of the components are listed. Article 20 Toxic Chemicals (K-Reach Article 20) : Toxic Korea inventory Article 39 (Accident Precaution Chemicals) : All components are listed or exempted. 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		•	:	None of the components are listed.	
Reach Article 27) Article 20 Toxic Article 20 Toxic : Foxic Chemicals (K-Reach Article 20) Korea inventory : All components are listed or exempted. Article 39 (Accident : Fhe following components are listed: chloroalkanes(C=14~17) Precaution Chemicals) : Class: Class 4 - Flammable Liquid C. Dangerous Materials : Class: Class 4 - Flammable Liquid Safety Management Act : Lass 2 petroleums - Water-insoluble liquid Threshold: 1000 L Danger category: III		authorization (K-Reach	-	None of the components are listed.	
Chemicals (K-Reach Article 20) Image: Chemicals (K-Reach Article 20) Korea inventory : All components are listed or exempted. Article 39 (Accident Precaution Chemicals) : Me following components are listed: chloroalkanes(C=14~17) 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			1	None of the components are listed.	
 Article 39 (Accident Precaution Chemicals) 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 		Chemicals (K-Reach	:	Poxic	
Precaution Chemicals) C. Dangerous Materials Safety Management Act Safety Management Act Item: 4. Class 2 petroleums - Water-insoluble liquid Threshold: 1000 L Danger category: III		Korea inventory	1	All components are listed or exempted.	
Safety Management Act Item: 4. Class 2 petroleums - Water-insoluble liquid Threshold: 1000 L Danger category: III		Precaution Chemicals)	:	The following components are listed: chloroalkanes(C=14~17)	
	C.		:	Item: 4. Class 2 petroleums - Water-insoluble liquid Threshold: 1000 L Danger category: III	

Product code 00243917

Date of issue 8/17/2023 (month/day/year)

Product name SF CHLORO FINISH 7000 WHITE

Section 1	5. Regulatory	information
-----------	---------------	-------------

D. Wastes regulation

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

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

Safety, health and
environmental
regulations specific for
the product: No known specific national and/or regional regulations applicable to this product

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	: 8/17/2023
С.	Version	: 16
	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.