# SAFETY DATA SHEET



Date of issue 2/2/2024 (month/day/year)

Version 1.03

### Section 1. Chemical product and company identification

A. Product name<br/>Product code: SIGMA FLUORESCENT PAINT<br/>: 000001039107

#### Other means of identification

 $00906734;\, 00906735;\, 00906738;\, 00907724;\, 00907725;\, 00907728;\, 00907729;\, 00907730$ 

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

Product use Use of the subst mixture	<ul><li>: Professional applications, Used by spraying.</li><li>: Coating.</li></ul>
Uses advised ag	<b>nst</b> : Product is not intended, labelled or packaged for consumer use.
C. Supplier's or Im information	orter's : PPG SSC (680-090) 19, Yeocheon-ro 217beon-gil, Nam-gu, Ulsan, Korea Tel: +82-52-210-8222
Email Address	Korea.MSDS@PPG.COM
Emergency tele number:	one : ₱82-52-210-8331

### Section 2. Hazards identification

A. Hazard classification	: FLAMMABLE LIQUIDS - Category 3
	ACUTE TOXICITY (inhalation) - Category 4
	CARCINOGENICITY - Category 1B
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
	Category 3
	SPEČIFÍC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 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

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### Section 2. Hazards identification

Hazard statements	<ul> <li>H226 - Flammable liquid and vapor. H332 - Harmful if inhaled. H336 - May cause drowsiness or dizziness. H350 - May cause cancer. H372 - Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS)) H411 - Toxic to aquatic life with long lasting effects.</li> </ul>
<b>Precautionary statemen</b>	ts
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. 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. P270 - Do not eat, drink or smoke when using this product.</li> </ul>
Response	<ul> <li>P391 - Collect spillage.</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> </ul>
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	: Prolonged or repeated contact may dry skin and cause irritation.

not result in

classification

### Section 3. Composition/information on ingredients

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

CAS number

: Not applicable.

Chemical name	Common name	Identifiers	%
Maphtha (petroleum), hydrodesulfurized	NAPHTHA(PETROLEUM),	CAS: 98-82-8	20 -
heavy	HYDRODESULFURIZED HEAVY		<30
nonane	NONANE		1 - <5
1,2,4-trimethylbenzene	1,2,4-TRIMETHYL BENZENE		1 - <5
2-butanone oxime	METHYL ETHYL KETOXIME		0.1 - <1
cumene	CUMENE		0.1 - <1
ethylbenzene	ETHYLBENZENE		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

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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. 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 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
C.	Special equipment for fire-fighting	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Fire-fighting procedures	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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### Section 6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
B. Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
C. Methods and materials for	СС	ontainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non- combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

Α.	Precautions for safe handling	:	Put on appropriate personal protective equipment (see Section 8). 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.
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.

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# Section 8. Exposure controls/personal protection

### A. Occupational exposure limits

Ingredient name		Exposure limits
nonane 1,2,4-trimethylbenzene		Ministry of Employment and Labor (Republic of Korea, 1/2020). TWA: 200 ppm 8 hours. Ministry of Employment and Labor (Republic of Korea, 1/2020). [Trimethyl
cumene		(Republic of Korea, 1/2020). [Trimethyl benzene (mixed isomers)] TWA: 25 ppm 8 hours. Ministry of Employment and Labor (Republic of Korea, 1/2020). Absorbed
ethylbenzene		through skin. TWA: 50 ppm 8 hours. Ministry of Employment and Labor (Republic of Korea, 1/2020). STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.
Recommended monitoring procedures		propriate monitoring standards. Reference to methods for the determination of hazardous
Appropriate engineering controls	ventilation or other engineering contaminants below any recomm	n. Use process enclosures, local exhaust ontrols to keep worker exposure to airborne ended or statutory limits. The engineering controls dust concentrations below any lower explosive ation equipment.
Environmental exposure controls	they comply with the requirement cases, fume scrubbers, filters or	k process equipment should be checked to ensure s of environmental protection legislation. In some engineering modifications to the process educe emissions to acceptable levels.
Personal protective equi	oment	
Respiratory protection	hazards of the product and the s workers are exposed to concent appropriate, certified respirators.	sed on known or anticipated exposure levels, the afe working limits of the selected respirator. If rations above the exposure limit, they must use Use a properly fitted, air-purifying or air-fed roved standard if a risk assessment indicates this is
Hand protection	: Chemical-resistant, impervious g be worn at all times when handlin this is necessary. Considering th check during use that the gloves should be noted that the time to different for different glove manu	gloves complying with an approved standard should ng chemical products if a risk assessment indicates ne parameters specified by the glove manufacturer, are still retaining their protective properties. It breakthrough for any glove material may be facturers. In the case of mixtures, consisting of on time of the gloves cannot be accurately
Gloves		ing, use the following type of gloves:

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### 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.

<b>.</b>	Appearance								
	Physical state	:	Liquid.						
	Color	:	Various						
В.	Odor	÷	Characteristic.						
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	1	Closed cup: 38°C (10	0.4°F)					
Н.	Evaporation rate	1	Not available.						
Т.	Flammability (solid, gas)	÷	Not available.						
J.	Lower and upper explosive (flammable) limits	:	Greatest known rang hydrodesulfurized he		1.4% L	Ipper: 7.6% (	Naphtha	(petroleu	m),
К.	Vapor pressure	;		Vapo	r Pressu	ire at 20°C	Va	oor press	ure at 50°C
			Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
			Ingredient name Naphtha (petroleum), hydrodesulfurized heavy	<b>mm Hg</b> 3.7503075		Method		kPa	Method
	Solubility(ies)		Naphtha (petroleum),	3.7503075		Method		kPa	Method
L.	Solubility(ies)	:	Naphtha (petroleum), hydrodesulfurized heavy	3.7503075 <b>Re</b>	0.5			kPa	Method
L.	Solubility(ies) Solubility in water	:	Naphtha (petroleum), hydrodesulfurized heavy Media	3.7503075 <b>Re</b>	0.5 <b>sult</b>			kPa	Method
			Naphtha (petroleum), hydrodesulfurized heavy Media cold water	3.7503075 <b>Re</b>	0.5 <b>sult</b>			kPa	Method
М.	Solubility in water	:	Naphtha (petroleum), hydrodesulfurized heavy Media cold water Not available.	3.7503075 <b>Re</b>	0.5 <b>sult</b>			kPa	Method
	Solubility in water Vapor density	:	Naphtha (petroleum), hydrodesulfurized heavy Media cold water Not available. Not available.	3.7503075 <b>Re</b>	0.5 <b>sult</b>			kPa	Method
M. N.	Solubility in water Vapor density Relative density Partition coefficient: n-	:	Naphtha (petroleum), hydrodesulfurized heavy Media cold water Not available. Not available. 0.79	3.7503075 <b>Re</b>	0.5 <b>sult</b>			kPa	Method
M. N. O.	Solubility in water Vapor density Relative density Partition coefficient: n- octanol/water Auto-ignition	:	Naphtha (petroleum), hydrodesulfurized heavy Media cold water Not available. Not available. 0.79	3.7503075 <b>Re</b>	0.5 <b>sult</b>		Hg	KPa	Method

# Section 9. Physical and chemical properties

Q.	Decomposition temperature	: Not available.	
R.	Viscosity	: 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

# Section 11. Toxicological information

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

#### Potential acute health effects

Inhalation	: Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Ingestion	: Can cause central nervous system (CNS) depression.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Eye contact	: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Ingestion	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Eye contact	: No specific data.

### B. Health hazards

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### Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Naphtha (petroleum), hydrodesulfurized	LD50 Oral	Rat	>5000 mg/kg	-
heavy				
nonane	LC50 Inhalation Gas.	Rat	3200 ppm	4 hours
	LC50 Inhalation Vapor	Rat	16790 mg/m <sup>3</sup>	4 hours
1,2,4-trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
•	LD50 Oral	Rat	5 g/kg	-
2-butanone oxime	LD50 Dermal	Rabbit	1100 mg/kg	-
	LD50 Oral	Rat	100 mg/kg	-
cumene	LC50 Inhalation Vapor	Rat	39000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	12.3 g/kg	-
	LD50 Oral	Rat	2260 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	-

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

#### Irritation/Corrosion

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	
Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
<u>Mutagenicity</u>	
Conclusion/Summary	: There are no data available on the mixture itself.
Carainaganiaitu	
Carcinogenicity	There are no data available on the mixture itself
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
oonolusion/ouninary	
<b>Teratogenicity</b>	

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

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

Name	Classification	Route of exposure	Target organs
Naphtha (petroleum), hydrodesulfurized heavy	Category 3	-	Narcotic effects
nonane	Category 3	-	Narcotic effects
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract
			irritation
2-butanone oxime	Category 1	-	upper respiratory
			tract
	Category 3		Narcotic effects
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### Section 11. Toxicological information

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

Name		Route of exposure	Target organs
Naphtha (petroleum), hydrodesulfurized heavy	Category 1		central nervous system (CNS)
2-butanone oxime	Category 2		blood system

#### **Aspiration hazard**

Name	Result
nonane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 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.
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. 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
Naphtha (petroleum), hydrodesulfurized heavy	CAS: 64742-82-1	FLAMMABLE LIQUIDS - Category 4
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 ASPIRATION HAZARD - Category 1
nonane	CAS: 111-84-2	AQUATIC HAZARD (LONG-TĚRM) - Category 2 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 AQUATIC HAZARD (ACUTE) - Category 1
1,2,4-trimethylbenzene	CAS: 95-63-6	AQUATIC HAZARD (LONG-TERM) - Category 1 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) - Korea (GHS) Page: 9/13

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### Section 11. Toxicological information

		Category 3 AQUATIC HAZARD (LONG-TERM) - Category 2
2-butanone oxime	CAS: 96-29-7	FLAMMABLE LIQUIDS - Category 4
	CAS. 30-23-1	ACUTE TOXICITY (oral) - Category 3
		ACUTE TOXICITY (dermal) - Category 4
		SKIN IRRITATION - Category 2
		SERIOUS EYE DAMAGE - Category 1
		SKIN SENSITIZATION - Category 1B
		CARCINOGENICITY - Category 1B
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) - Category 1
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE
		EXPOSURE) (Narcotic effects) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY
		(REPEATED EXPOSURE) - Category 2
cumene	CAS: 98-82-8	FLAMMABLE LIQUIDS - Category 3
		CARCINOGENICITY - Category 2
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

## Section 12. Ecological information

#### A. Ecotoxicity

Product/ingredient name	Result	Species	Exposure
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - <i>Ceriodaphnia dubia</i>	-

#### B. Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inc	oculum
ethylbenzene	-	79 % - Rea	adily - 10 days	-	-	
Product/ingredient name	Aquatic half-life		Photolysis		Biodegradability	
ethylbenzene	-		-		Readily	

#### C. Bioaccumulative potential

Product/ingredient name	LogPow BCF		Potential		
ronane	5.65	-	High		
1,2,4-trimethylbenzene	3.63	120.23	Low		
2-butanone oxime	0.63	5.01	Low		
cumene	3.55	35.48	Low		
ethylbenzene	3.6	79.43	Low		

#### D. Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

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Section 12. Ecological information

E. Other adverse effects

: 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

	UN	IMDG	ΙΑΤΑ
A. UN number	UN1263	UN1263	UN1263
B. UN proper shipping name	PAINT	PAINT	PAINT
C. Transport hazard class(es)	3	3	3
D. Packing group		III	III
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
E. Marine pollutant substances	Not applicable.	(Naphtha (petroleum), hydrodesulfurized heavy)	Not applicable.

#### **Additional information**

- UN : This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, 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 according to 2.3.2.5.2.
- IMDG : This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, 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 according to 2.3.2.5.
- **IATA** : 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

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### Section 14. Transport information

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according	1	Not applicable.
to IMO instruments		

### Section 15. Regulatory information

#### A. Regulation according to ISHA **ISHA article 117** : None of the components are listed. (Harmful substances prohibited from manufacture) **ISHA article 118** : None of the components are listed. (Harmful substances requiring permission) **Article 2 of Youth Protection** : It is not allowed to sell to persons under the age of 19. Act on Substances Hazardous to Youth **Exposure Limits of Chemical Substances and Physical Factors** The following components have an OEL: nonane 1,2,4-trimethylbenzene cumene ethylbenzene ISHA Enforcement Regs : None of the components are listed. Annex 19 (Exposure standards established for harmful factors) **ISHA Enforcement Regs** : None of the components are listed. Annex 21 (Harmful factors subject to Work **Environment Measurement**) ISHA Enforcement Regs : None of the components are listed. Annex 22 (Harmful **Factors Subject to Special Health Check**up) **Standard of Industrial** : None of the components are listed. **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: Ethylbenzene Article 18 Prohibited (K-: None of the components are listed. **Reach Article 27)**

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### Section 15. Regulatory information

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)	1	Not applicable
Korea inventory	:	Not determined.
Article 39 (Accident Precaution Chemicals)	1	None of the components are listed.
Dangerous Materials Safety Management Act	:	Class: Class 4 - Flammable Liquid Item: 4. Class 2 petroleums - Water-insoluble liquid Threshold: 1000 L Danger category: III Signal word: Contact with sources of ignition prohibited
Wastes regulation	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Regulation according to o	oth	ier foreign laws
Safety, health and environmental regulations specific for the product	:	No known specific national and/or regional regulations applicable to this product (including its ingredients).
	authorization (K-Reach Article 25) Article 20 Restricted (K- Reach Article 27) Article 20 Toxic Chemicals (K-Reach Article 20) Korea inventory Article 39 (Accident Precaution Chemicals) Dangerous Materials Safety Management Act Wastes regulation Regulation according to a Safety, health and environmental regulations specific for	authorization (K-Reach Article 25)Article 20 Restricted (K- Reach Article 27)Article 20 ToxicChemicals (K-Reach Article 20)Korea inventoryKorea inventoryArticle 39 (Accident Precaution Chemicals)Dangerous Materials Safety Management ActWastes regulation:Regulation according to oth Safety, health and environmental regulations specific for

### 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	: 2/2/2024
C. Version	: 1.03
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.