# **SAFETY DATA SHEET**



Date of issue/Date of revision25 September 2024Version 1.04

Section 1. Identification		
Product code	: 000001196144	
Product name	: SIGMASHIELD 880 BASE REDBROWN 6179	
Other means of identification 00468827	on	
Product type	: Liquid.	
Relevant identified uses of the substance or mixture and uses advised against         Product use       : Coating.		
	Professional applications, Used by spraying.	
Supplier's details	: PPG Industries (Singapore) Pte. Ltd., No. 1 Tuas Basin Close, Singapore 638803. Tel +65 68653737	
Emergency telephone number (with hours of operation)	: CHEMTREC +(65)-31581349 (CCN 17704)	

# Section 2. Hazards identification

Classification of the substance or mixture	<ul> <li>FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</li> </ul>
GHS label elements, includin	g precautionary statements
Hazard pictograms	
Signal word	: Warning
Hazard statements	<ul> <li>Flammable liquid and vapor.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye irritation.</li> <li>May cause respiratory irritation.</li> </ul>
Precautionary statements	

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# Section 2. Hazards identification

Prevention	Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapor. Wash thoroughly after handling.
Response	: IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	: Not applicable.

result in classification

**Other hazards which do not** : Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

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

CAS number	: Not applicable.
EC number	: Mixture.

Ingredient name	%	CAS number
s-[4-(2,3-epoxipropoxi)phenyl]propane	20 - <25	1675-54-3
Talc , not containing asbestiform fibres	10 - <20	14807-96-6
xylene	5 - <10	1330-20-7
Epoxy Resin (700 <mw<=1100)< td=""><td>3 - &lt;5</td><td>25036-25-3</td></mw<=1100)<>	3 - <5	25036-25-3
Phenol, methylstyrenated	3 - <5	68512-30-1
2-methylpropan-1-ol	1 - <3	78-83-1
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	1 - <3	68609-97-2
12-hydroxyoctadecanoic acid, reaction products with	1 - <3	220926-97-6
1,3-benzenedimethanamine and hexamethylenediamine		

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.

SUB codes represent substances without registered CAS Numbers.

### Section 4. First aid measures

Description of neces	sary first aid measures
Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
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.

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# Section 4. First aid measures

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.	
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.	
Most important symptoms/	effects, acute and delayed	
Potential acute health effe	<u>cts</u>	
Eye contact	: Causes serious eye irritation.	
Inhalation	: May cause respiratory irritation.	
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.	
Ingestion	: No known significant effects or critical hazards.	
Over-exposure signs/sym	<u>ptoms</u>	
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness	
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing	
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking	
Ingestion	: No specific data.	
Indication of immediate me	dical attention and special treatment needed, if necessary	
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed The exposed person may need to be kept under medical surveillance for 48 hours.	
Specific treatments	: 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 dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
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.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
Special protective actions for fire-fighters	: 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.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	<ul> <li>No action shall be taken involving any personal risk or without suitable training.</li> <li>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources.</li> <li>No flares, smoking or flames in hazard area. Avoid breathing vapor or mist.</li> <li>Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</li> </ul>
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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).
Methods and materials for co	ntainment 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.

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### Section 6. Accidental release measures

#### 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

#### Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name			Exposure limits	
ralc , not containing asbestiform fibres xylene		Workplace Safety and Health Act (Singapore, 2/2006). PEL (long term): 2 mg/m <sup>3</sup> 8 hours. Workplace Safety and Health Act (Singapore, 2/2006). [Xylene] PEL (short term): 651 mg/m <sup>3</sup> 15 minutes. PEL (short term): 150 ppm 15 minutes. PEL (long term): 434 mg/m <sup>3</sup> 8 hours. PEL (long term): 100 ppm 8 hours.		
2-methylpropan-1-ol			Workplace Safety and Health Act (Singapore, 2/2006). PEL (long term): 152 mg/m <sup>3</sup> 8 hours. PEL (long term): 50 ppm 8 hours.	
12-hydroxyoctadecanoic acid 1,3-benzenedimethanamine			ACGIH TLV (United States). TWA: 10 mg/m <sup>3</sup> Form: Inhalable particle TWA: 3 mg/m <sup>3</sup> , (inhalable dust) Form: Respirable particle	
Recommended monitoring procedures		e documents for meth	iate monitoring standards. Reference to nods for the determination of hazardous	
Appropriate engineering controls	ventilation or oth contaminants be also need to kee	er engineering control low any recommende	se process enclosures, local exhaust ls to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive equipment.	
Environmental exposure controls	they comply with cases, fume scru	the requirements of eubbers, filters or engin	ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process e emissions to acceptable levels.	
Individual protection measur	<u>'es</u>			
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.			
Eye/face protection Skin protection	: Chemical splash	goggles.		

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# Section 8. Exposure controls/personal protection

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	: butyl rubber
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the 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 this is necessary.

# Section 9. Physical and chemical properties

<u>Appearance</u>				
Physical state	Liquid.			
Color	/arious			
Odor	Aromatic. [Slight]			
рН	Not applicable.			
Boiling point	>37.78°C (>100°F)			
Flash point	Closed cup: 37°C (98.6°F)			
Evaporation rate	Highest known value: 0.77 (xylene) Weighted average: 0.73compared with butyl acetate			
Flammability (solid, gas)	liquid			
Vapor pressure	Highest known value: <1.6 kPa (<12 mm Hg) (at 20°C) (2-methylpropan-1-ol). Weighted average: 0.23 kPa (1.73 mm Hg) (at 20°C)			
Vapor density	Highest known value: 11.7 (Air = 1) (bis-[4-(2,3-epoxipropoxi)phenyl]propane). Weighted average: 9.51 (Air = 1)			
Relative density	1.67			
	Media Result			
Solubility(ies)	cold water Not soluble			
Auto-ignition temperature	Lowest known value: >385°C (>725°F) (Phenol, methylstyrenated).			

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# Section 9. Physical and chemical properties

Viscosity	: Kinematic (room temperature): >400 mm²/s (>400 cSt) Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)	
Viscosity	: > 100 s (ISO 6mm)	

# Section 10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its	ingredients.
Chemical stability	The product is stable.	
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will r	not occur.
Conditions to avoid	When exposed to high temperatures may produce hazardous decomponent products.	osition
Incompatible materials	Keep away from the following materials to prevent strong exothermic re oxidizing agents, strong alkalis, strong acids.	eactions:
Hazardous decomposition products	Depending on conditions, decomposition products may include the follo materials: carbon oxides nitrogen oxides sulfur oxides halogenated o metal oxide/oxides	

# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
bis-[4-(2,3-epoxipropoxi)	LD50 Dermal	Rabbit	23000 mg/kg	-
phenyl]propane				
	LD50 Oral	Rat	15000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
2	LD50 Oral	Rat	4.3 g/kg	-
Epoxy Resin (700 <mw< td=""><td>LD50 Dermal</td><td>Rat</td><td>&gt;2000 mg/kg</td><td>-</td></mw<>	LD50 Dermal	Rat	>2000 mg/kg	-
<=1100)				
	LD50 Oral	Rat	>2000 mg/kg	-
Phenol, methylstyrenated	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
oxirane, mono[	LD50 Oral	Rat	17100 mg/kg	-
(C12-14-alkyloxy)methyl]				
derivs.				
12-hydroxyoctadecanoic	LC50 Inhalation Dusts and mists	Rat	3.56 mg/l	4 hours
acid, reaction products with			-	
1,3-benzenedimethanamine				
and hexamethylenediamine				

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# Section 11. Toxicological information

	•		••••					
				Rat Rat			)0 mg/kg   - )0 mg/kg   -	
	LD50 Oral					>200	Ju mg/kg -	
<b>Conclusion/Summary</b> : There are no data available on the mixture itself.								
Irritation/Corrosion								
Product/ingredient name	Result		Speci	es	Score	)	Exposure	Observation
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Eyes - Mild irritant		Rabbi	t	-		24 hours	-
	Eyes - Redness o conjunctivae	f the	Rabbi	t	0.4		24 hours	-
	Skin - Edema		Rabbi		0.5		4 hours	-
	Skin - Erythema/E	schar	Rabbi		0.8		4 hours	-
vu de ne	Skin - Mild irritant	vitant	Rabbi		-		4 hours	-
xylene	Skin - Moderate ir	ritant	Rabbi	t	-		24 hours 500 mg	-
								I
Conclusion/Summary	-							
	There are no data a							
Eyes: There are no data available on the mixture itself.Respiratory: There are no data available on the mixture itself.								
	nere are no data a	avallable c	on the l	nixture ii	self.			
<u>Sensitization</u>								
Product/ingredient name	Product/ingredient name Route of Species Result exposure							
øis-[4-(2,3-epoxipropoxi) phenyl]propane	skin	Mouse				Sens	itizing	
oxirane, mono[ (C12-14-alkyloxy)methyl]	skin	Guinea pig		Sens	itizing			
derivs.								
Conclusion/Summary								
	There are no data a							
	There are no data a	available o	on the I	nixture it	self.			
<u>Mutagenicity</u>								
Conclusion/Summary :	There are no data	available	on the	mixture i	tself.			
Carcinogenicity								
Conclusion/Summary :	There are no data	available	on the	mixture i	tself.			
Reproductive toxicity								
Conclusion/Summary :	There are no data	available	on the	mixture i	tself.			
<b>Teratogenicity</b>								
	There are no data	available	on the	mixture i	tself.			
Specific target organ toxicity (single exposure)								

# Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

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

Name		Route of exposure	Target organs
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	Category 2	inhalation	lungs

#### **Aspiration hazard**

Name	Result
xylene	ASPIRATION HAZARD - Category 1

Information on the likely	: Not available.
routes of exposure	

#### Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact :	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

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### Section 11. Toxicological information

<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ects</u>
General	<ul> <li>Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.</li> </ul>
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value	
Dermal Inhalation (vapors) Inhalation (dusts and mists)	20657.99 mg/kg 69.94 mg/l 8.77 mg/l	

#### Other information

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

# Section 12. Ecological information

#### **Toxicity**

Exposure
gna 48 hours
21 days
48 hours
96 hours
irchne roalga

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## Section 12. Ecological information

1,3-benzenedimethanamine and hexamethylenediamine			
	Acute EC50 >100 mg/l	Daphnia - <i>Daphnia magna</i> (Water flea)	48 hours
	Acute LC50 >100 mg/l	Fish - Oncorhynchus mykiss (rainbow trout)	96 hours
	Chronic NOEC 100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC ≥50 mg/l	Daphnia - <i>Daphnia magna</i> (Water flea)	21 days

**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### Persistence/degradability

Product/ingredient name	Test	Result		Dose	Inoculum
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	OECD 301D Ready Biodegradability - Closed Bottle Test	9 % - Not readily - 2	29 days	-	-
Conclusion/Summary	: There are no d	lata available on the	mixture itse	elf.	
Product/ingredient name	Aquatic half-life		Photolysi	s	Biodegradability
bis-[4-(2,3-epoxipropoxi) phenyl]propane	-		-		Not readily

#### **Bioaccumulative potential**

xylene

Product/ingredient name	LogPow	BCF	Potential	
<b>x</b> ylene	3.12	7.4 to 18.5	Low	
Phenol, methylstyrenated	3.627	-	Low	
2-methylpropan-1-ol	1	-	Low	
oxirane, mono[	3.77	-	Low	
(C12-14-alkyloxy)methyl]				
derivs.				
12-hydroxyoctadecanoic	>6	-	High	
acid, reaction products with				
1,3-benzenedimethanamine				
and hexamethylenediamine				

#### Mobility in soil

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

#### Other adverse effects

: No known significant effects or critical hazards.

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## Section 13. Disposal considerations

**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. 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
UN number	UN1263	UN1263	UN1263
UN proper PAINT shipping name		PAINT	PAINT
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

UN	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.1.
IMDG	<ul> <li>This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.</li> </ul>
ΙΑΤΑ	: None identified.

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

Transport in bulk according : Not applicable. to IMO instruments

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# Section 15. Regulatory information

Singapore - hazardous chemicals under government control

None.

#### International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 25 September 2024
Date of previous issue	: 4/22/2024
Version	: 1.04
Prepared by	: EHS
Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations</li> </ul>

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

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.