SAFETY DATA SHEET



Date of issue/Date of revision 1 July 2024 Version 4.16

Section 1. Identification		
Product code	: 00381093	
Product name	: HI-TEMP 1027 LIGHT GRAY	
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	: FLAMMABLE LIQUIDS - Category 3 CARCINOGENICITY - Category 2
	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

GHS label elements, including precautionary statements

Hazard pictograms	
Signal word	: Warning
Hazard statements	: Flammable liquid and vapour. Suspected of causing cancer. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	: Collect spillage. IF exposed or concerned: Get medical advice or attention.
Storage	: Not applicable.
Disposal	: Not applicable.

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Section 2. Hazards identification

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

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

CAS number/other identifiers

CAS number	: Not applicable.
EC number	: Mixture.

Ingredient name	%	CAS number
Solvent naphtha (petroleum), heavy arom.	10 - <20	64742-94-5
xylene	3 - <5	1330-20-7
dimethyl carbonate	3 - <5	616-38-6
trizinc bis(orthophosphate)	3 - <5	7779-90-0
zinc oxide	1 - <3	1314-13-2
ethylbenzene	1 - <3	100-41-4
naphthalene	1 - <3	91-20-3
toluene	0.3 - <1	108-88-3

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 necessary first aid measures		
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. 	
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. 	
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. 	
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.	

Most important symptoms/effects, acute and delayed		
Potential acute health	<u>n effects</u>	
Eye contact	: No known significant effects or critical hazards.	
Inhalation	: No known significant effects or critical hazards.	
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.	
Ingestion	: No known significant effects or critical hazards.	
Over-exposure signs	lsymptoms	

Over-exposure signs/symptoms

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Section 4. First aid measures

Eye contact	: No specific data.	
Inhalation	: No specific data.	
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking	
Ingestion	: No specific data.	
Indication of immediate me	lical attention and special treatment needed, if necessary	
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 	
Specific treatments	: No specific treatment.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation	

See toxicological information (Section 11)

Section 5. Firefighting 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	: Flammable liquid and vapour. 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 phosphorus oxides halogenated compounds metal oxide/oxides Formaldehyde.
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	:	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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised 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".
		Avoid dispersal of spilt 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.
<u>Methods and material for con</u>	ta	inment 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 the 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 spill 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). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. 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.

Section 7. Handling and storage

incompatibilities 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 oxidising materials. Kee 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		-	
incompatibilities accordance with local regulations. Store in a segregated and approved area. St in original container protected from direct sunlight in a dry, cool and well-ventilate area, away from incompatible materials (see Section 10) and food and drink. Store up. Eliminate all ignition sources. Separate from oxidising materials. Kee 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		:	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
	including any	:	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 oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
xylene	Workplace Safety and Health Act (Singapore, 2/2006). [Xylene] PEL (short term): 651 mg/m ³ 15 minutes. PEL (short term): 150 ppm 15 minutes. PEL (long term): 434 mg/m ³ 8 hours. PEL (long term): 100 ppm 8 hours.
zinc oxide	Workplace Safety and Health Act (Singapore, 2/2006).
	PEL (long term): 10 mg/m ³ 8 hours. Form: Dust PEL (short term): 10 mg/m ³ 15 minutes. Form: Fume PEL (long term): 5 mg/m ³ 8 hours. Form: Fume
ethylbenzene	Workplace Safety and Health Act (Singapore, 2/2006). PEL (short term): 543 mg/m ³ 15 minutes. PEL (short term): 125 ppm 15 minutes. PEL (long term): 434 mg/m ³ 8 hours. PEL (long term): 100 ppm 8 hours.
naphthalene	Workplace Safety and Health Act (Singapore, 2/2006). PEL (short term): 79 mg/m ³ 15 minutes. PEL (short term): 15 ppm 15 minutes. PEL (long term): 52 mg/m ³ 8 hours. PEL (long term): 10 ppm 8 hours.
toluene	Workplace Safety and Health Act (Singapore, 2/2006). PEL (long term): 188 mg/m ³ 8 hours.

Section 8. Exposure controls/personal protection

			PEL (long term): 50 ppm 8 hours.	
Recommended monitoring procedures	:		iate monitoring standards. Reference to ods for the determination of hazardous	
Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.		
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensur they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		
Individual protection measur	res			
Hygiene measures	:	eating, smoking and using the lavatory Appropriate techniques should be use	d to remove potentially contaminated clothing. using. Ensure that eyewash stations and	
Eye/face protection	1	Safety glasses with side shields.		
Skin protection				
Hand protection	:	be worn at all times when handling che this is necessary. Considering the par check during use that the gloves are s should be noted that the time to break	ers. In the case of mixtures, consisting of	
Gloves	1	For prolonged or repeated handling, us	se the following type of gloves:	
		May be used: nitrile rubber Recommended: Chloroprene, polyviny	l alcohol (PVA), Viton®	
Body protection	:	being performed and the risks involved		
Other skin protection	:	Appropriate footwear and any addition selected based on the task being performance approved by a specialist before handling	ormed and the risks involved and should be	

Product name HI-TEMP 1027 LIGHT GRAY

Section 8. Exposure controls/personal protection

 Respiratory protection Respirator selection must be based on known or anticipated exposure levels hazards of the product and the safe working limits of the selected respirator. workers are exposed to concentrations above the exposure limit, they must appropriate, certified respirators. Use a properly fitted, air-purifying or air-feat respirator complying with an approved standard if a risk assessment indicate necessary.
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Section 9. Physical and chemical properties

<u>Appearance</u>				
Physical state	:	Liquid.		
Colour	:	Grey.		
Odour	:	Hydrocarbon.		
рН	1	insoluble in water.		
Boiling point	:	>37.78°C (>100°F)		
Flash point	:	Closed cup: 24°C (75.2°F)		
Evaporation rate	:	Highest known value: 3.22 (dimethyl carbonate) Weighted average: 1.84compared with butyl acetate		
Flammability (solid, gas)	1	liquid		
Vapour pressure	:	Highest known value: 7.6 kPa (56.8 mm Hg) (at 20°C) (dimethyl carbonate). Weighted average: 1.95 kPa (14.63 mm Hg) (at 20°C)		
Vapour density	:	Highest known value: 3.7 (Air = 1) (xylene). Weighted average: 3.44 (Air = 1)		
Relative density	:	1.89		
Solubility(ies)		Media Result		
oordonity(ies)		cold water Not soluble		
Auto-ignition temperature	:	Lowest known value: 220 to 250°C (428 to 482°F) (Solvent naphtha (petroleum), heavy arom.).		
Viscosity	:	Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)		
Section 10. Stabili	ity	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 not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

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Section 10. Stability and reactivity

Hazardous decomposition products

: Depending on conditions, decomposition products may include the following materials: carbon oxides phosphorus oxides halogenated compounds Formaldehyde. metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Solvent naphtha (petroleum),	LC50 Inhalation Dusts and mists	Rat	>5.2 mg/l	4 hours
heavy arom.				
	LD50 Oral	Rat	>5 g/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
dimethyl carbonate	LC50 Inhalation Vapour	Rat	140000 mg/m ³	4 hours
	LD50 Dermal	Rabbit	2.5 g/kg	-
	LD50 Oral	Rat	12.9 g/kg	-
trizinc bis(orthophosphate)	LC50 Inhalation Dusts and mists	Rat	>5.7 mg/l	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5700 mg/m ³	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
-	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
naphthalene	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Oral	Rat	490 mg/kg	-
toluene	LC50 Inhalation Vapour	Rat	49 g/m ³	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	5580 mg/kg	-

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

Irritation/Corrosion

Product/ingredient nam	e Result	Species	Score	Exposure	Observation
x ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary					
Skin	: There are no data availab	le on the mixtur	e itself.		
Eyes	: There are no data availab	le on the mixtur	e itself.		
Respiratory	: There are no data available on the mixture itself.				
<u>Sensitisation</u>					
Conclusion/Summary					
Skin	: There are no data availab	le on the mixtur	e itself.		
Respiratory	: There are no data availab	le on the mixtur	e itself.		
Mutagenicity					
Conclusion/Summary Carcinogenicity	: There are no data availal	ble on the mixtu	re itself.		

Product name HI-TEMP 1027 LIGHT GRAY

Section 11. Toxicological information

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

Reproductive toxicity

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

Teratogenicity

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

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Solvent naphtha (petroleum), heavy arom. xylene	Category 3 Category 3		Narcotic effects Respiratory tract irritation
dimethyl carbonate	Category 3 Category 3	-	Respiratory tract irritation Narcotic effects
	Calegory 5	-	Narcolic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
	Category 2	-	hearing organs
naphthalene	Category 2	-	-
toluene	Category 2	-	-

Aspiration hazard

Name	Result
Solvent naphtha (petroleum), heavy arom.	ASPIRATION HAZARD - Category 1
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
toluene	ASPIRATION HAZARD - Category 1

Information on likely routes of exposure	: Not available.
Potential acute health effects	<u>1</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the phy Eye contact	sical, chemical and toxicological characteristics : No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation

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Section 11. Toxicological information

Ingestion

: No specific data.

Delayed and immediate effect	cts	as well as chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	÷	Not available.
Potential delayed effects	1	Not available.
Potential chronic health effe	ect	<u>s</u>
General	:	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	1	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	
Øral	15530.84 mg/kg	
Dermal	9187.75 mg/kg	
Inhalation (vapours)	182.85 mg/l	
Inhalation (dusts and mists)	22.8 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 vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C/140F. Avoid contact with skin and clothing.

Section 12. Ecological information

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Toxicity

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Section 12. Ecological information

Result	Species	Exposure
NOEL 0.48 mg/l Fresh water	Daphnia	21 days
		001
Acute LC50 >100 mg/l	FISN	96 hours
Acute LC50 0.112 mg/l	Fish	96 hours
Chronic NOEC 0.026 mg/l	Fish	30 days
Acute EC50 0.17 mg/l	Algae	72 hours
Acute EC50 0.481 mg/l Fresh water	Daphnia - Daphnia magna -	48 hours
, i i i i i i i i i i i i i i i i i i i	Neonate	
Chronic NOEC 0.017 mg/l Fresh water	Algae	72 hours
•	Daphnia	48 hours
Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
	NOEL 0.48 mg/l Fresh water Acute LC50 >100 mg/l Acute LC50 0.112 mg/l Chronic NOEC 0.026 mg/l Acute EC50 0.17 mg/l Acute EC50 0.481 mg/l Fresh water Chronic NOEC 0.017 mg/l Fresh water Acute EC50 1.8 mg/l Fresh water	NOEL 0.48 mg/l Fresh waterDaphniaAcute LC50 >100 mg/lFishAcute LC50 0.112 mg/lFishChronic NOEC 0.026 mg/lFishAcute EC50 0.17 mg/lAlgaeAcute EC50 0.481 mg/l Fresh waterDaphnia - Daphnia magna - NeonateChronic NOEC 0.017 mg/l Fresh waterAlgaeChronic NOEC 0.17 mg/l Fresh waterDaphnia - Daphnia magna - NeonateChronic NOEC 0.017 mg/l Fresh waterAlgaeDaphnia - Daphnia magna - NeonateDaphnia

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

Persistence/degradability

Product/ingredient name	Test	Result		Dose	Inoculum
ethylbenzene	-	79 % - Read	lily - 10 days	-	-
Conclusion/Summary	characteristic set of the set of				
Product/ingredient name	Aquatic hal	f-life	Photoly	sis	Biodegradability
kylene ethylbenzene toluene	- - -		- - -		Readily Readily Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Solvent naphtha (petroleum), heavy arom.	2.8 to 6.5	-	High
xylene dimethyl carbonate ethylbenzene naphthalene toluene	3.12 0.354 3.6 3.4 2.73	7.4 to 18.5 - 79.43 85.11 8.32	Low Low Low Low Low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimised 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. Vapour 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 spilt 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 shipping name	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Solvent naphtha (petroleum), heavy aromatic)	Not applicable.

Additional information

- UN : None identified.
- **IMDG** : The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg.
- **IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

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	1	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	: 1 July 2024
Date of previous issue	: 1/9/2024
Version	: 4.16
Prepared by	: EHS
Key to abbreviations	: 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

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.