SAFETY DATA SHEET

Date of issue : 8 November 2021 : 9

Version

Section 1. Identification

Product code	: 0579BF/1L
Product name	: FAST HARDENER
Product type	: Liquid.
Recommended use and res	trictions
Use of the substance/ mixture	: Coating.
Uses advised against	: Not applicable.
Supplier's details	: PPG INDUSTRIES NEW ZEALAND LTD 5 MONAHAN ROAD, MT WELLINGTON, AUCKLAND www.ppgnz.co.nz Telephone Numbers: 09 573 1620, 0800 659378 021 940 920 (24 Hours)
Emergency telephone number (with hours of operation)	 New Zealand 0800 000 096 (24 hours) / Australia 1800 883 254 (24 hours) For international shipping emergencies: 1-412-391-1618
e-mail address of person responsible for this SDS	: ehsnz@ppg.com

Section 2. Hazards identification

HSNO Classification	: FLAMMABLE LIQUIDS - Category 3
	ACUTE TOXICITY (inhalation) - Category 4
	SKIN IRRITATION - Category 2
	EYE IRRITATION - Category 2
	RESPIRATORY SENSITISATION - Category 1
	SKIN SENSITISATION - Category 1
	CARCINOGENICITY - Category 2
	REPRODUCTIVE TOXICITY - Category 2
	SPECIFIC TARGET ORGAN TOXIČITÝ - SINGLE EXPOSURE - Category 2
	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
Symbol	
GHS label elements	
Signal word	: Danger

Product name FAST HARDENER

Section 2. Hazards identification

Hazard statements	4	Flammable liquid and vapour.
		Causes skin irritation.
		May cause an allergic skin reaction.
		Causes serious eye irritation.
		Harmful if inhaled.
		May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer.
		Suspected of damaging fertility or the unborn child.
		May cause damage to organs.
		May cause damage to organs through prolonged or repeated exposure.
		Prolonged or repeated contact may dry skin and cause irritation.
Precautionary statements		
Prevention	:	D o not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Wear respiratory protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapour. Wash thoroughly after handling.
Response	:	F exposed or concerned: Call a POISON CENTER or doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. 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	1	Not applicable.
Disposal	:	Not applicable.
Other hazards which do not result in classification	:	Prolonged or repeated contact may dry skin and cause irritation.

This material is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017 and has been classified according to the Hazardous Substances (Classifications) Notice 2017. This material is classified as DANGEROUS GOODS according to criteria in New Zealand Land Transport Rule:

Dangerous Goods 2005.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture CAS number/other identifiers

Product code

057	9B	F/1	IL
001	30	• /	

Hazardous ingredients	%	CAS number
✓examethylene diisocyanate, oligomers	>60	28182-81-2
xylene	10 - <30	1330-20-7
ethylbenzene	1 - <10	100-41-4
hexamethylene-di-isocyanate	<1	822-06-0

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 or have an OEL 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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reduc increa	rse symptoms may include the following: ced foetal weight ase in foetal deaths tal malformations
Indication of immediate medical atter	ntion and special treatment needed, if necessary
Specific treatments : Not a	vailable.
	se of inhalation of decomposition products in a fire, symptoms may be delayed. exposed person may need to be kept under medical surveillance for 48 hours.
is sus mask provi	ction shall be taken involving any personal risk or without suitable training. If it spected that fumes are still present, the rescuer should wear an appropriate or self-contained breathing apparatus. It may be dangerous to the person
	ding aid to give mouth-to-mouth resuscitation. Wash contaminated clothing ughly with water before removing it, or wear gloves.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media	
Suitable	Use dry chemical, CO ₂ , water spray (fog) or foam.
Not suitable	Do not use water jet.
Specific hazards arising from the chemical	Fammable 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.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon oxides nitrogen oxides Cyanate and isocyanate. hydrogen cyanide
Special precautions 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	:	Fspecialised 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 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).
Methods and material for cor	nta	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.

Product name FAST HARDENER

Section 6. Accidental release measures

Special provisions	: 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). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.
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Section 7. Handling and storage

Precautions for safe : handling	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitisation problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. 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 vapour or mist. Do not ingest. 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.
Conditions for safe storage, : including any incompatibilities	To not store above the following temperature: $50^{\circ}C$ ($122^{\circ}F$). 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 oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Precautions should be taken to minimise exposure to atmospheric humidity or water. CO_2 will be formed, which, in closed containers, could result in pressurisation.

Section 8. Exposure controls/personal protection

Control parameters

Section 8. Exposure controls/personal protection

Ingredient name			Exposure limits
Fexamethylene diisocyanate	, ol	gomers	NZ HSWA 2015 (New Zealand, 11/2020). Skin sensitiser. Inhalation sensitiser. WES-TWA: 0.02 mg/m ³ , (measured as - NCO) 8 hours. WES-STEL: 0.07 mg/m ³ , (measured as - NCO) 15 minutes.
xylene			NZ HSWA 2015 (New Zealand, 11/2020). WES-TWA: 217 mg/m ³ 8 hours. WES-TWA: 50 ppm 8 hours.
ethylbenzene			NZ HSWA 2015 (New Zealand, 11/2020). WES-STEL: 543 mg/m ³ 15 minutes. WES-STEL: 125 ppm 15 minutes. WES-TWA: 434 mg/m ³ 8 hours. WES-TWA: 100 ppm 8 hours.
hexamethylene-di-isocyanate	•		NZ HSWA 2015 (New Zealand, 11/2020). Skin sensitiser. Inhalation sensitiser. WES-STEL: 0.07 mg/m ³ , (measured as - NCO) 15 minutes. WES-TWA: 0.02 mg/m ³ , (measured as - NCO) 8 hours.
Recommended monitoring procedures	:	atmosphere or biological monitoring r of the ventilation or other control mea protective equipment. Reference sho	th exposure limits, personal, workplace nay be required to determine the effectiveness sures and/or the necessity to use respiratory buld be made to appropriate monitoring dance documents for methods for the es will also be required.
Appropriate engineering controls	:	ventilation or other engineering contro contaminants below any recommende	lse process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering control t concentrations below any lower explosive n equipment.
Environmental exposure controls	:		
ndividual protection measur	<u>es</u>		
Hygiene measures	:	eating, smoking and using the lavator Appropriate techniques should be use Contaminated work clothing should n	bughly after handling chemical products, befor y and at the end of the working period. ed to remove potentially contaminated clothing ot be allowed out of the workplace. Wash . Ensure that eyewash stations and safety location.
Respiratory protection	:	fed respirator is not necessary, in whi should be utilized to determine wheth type of protection is appropriate. Res	e-specific assessment determines that an air- ch case the results of the risk assessment er respiratory protection is necessary and wha pirator selection must be based on known or rds of the product and the safe working limits

Product name FAST HARDENER

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
Eye protection	: Chemical splash goggles.
Skin protection	: 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.
Restrictions on use	 Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Not available.
Odour	: Not available.
Odour threshold	: Not available.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: 136°C (276.8°F)
Flash point	: Closed cup: 24°C (75.2°F)
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapour pressure	: Not available.
Relative density	: 1.03
Bulk Density (g/cm³)	: 1.035
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)

Section 10. Stability and reactivity

Stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.

Product name FAST HARDENER

Section 10. Stability and reactivity

Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Uncontrolled exothermic reactions occur with amines and alcohols. The product reacts slowly with water, resulting in the production of carbon dioxide. In closed containers, pressure build-up could result in distortion, expansion and, in extreme cases, bursting of the container.
Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials strong acids strong alkalis
Hazardous decomposition products	 Depending on conditions, decomposition products may include the following materials: Cyanate and isocyanate. carbon oxides nitrogen oxides hydrogen cyanide
Hazardous polymerisation	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

Section 11. Toxicological information

Information on likely routes of exposure

Inhalation	1	Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Ingestion	:	\overline{M} ay cause damage to organs following a single exposure if swallowed.
Skin contact	:	May cause damage to organs following a single exposure in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Eye contact	:	Causes serious eye irritation.
Symptoms related to the phy	sic	cal, chemical and toxicological characteristics
Inhalation	:	Adverse symptoms may include the following: wheezing and breathing difficulties asthma reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: irritation redness dryness cracking reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Delayed and immediate effec	ts	as well as chronic effects from short and long-term exposure
Acute toxicity		

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Hexamethylene	LD50 Dermal	Rabbit	>2000 mg/kg	-
diisocyanate, oligomers				
	LD50 Oral	Rat - Female	>2500 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/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	-
hexamethylene-di-	LC50 Inhalation Dusts and mists	Rat	124 mg/m ³	4 hours
isocyanate			-	
	LC50 Inhalation Vapour	Rat	151 mg/m ³	4 hours
	LC50 Inhalation Vapour	Rat	22 ppm	4 hours
	LD50 Dermal	Rabbit	0.57 g/kg	-
	LD50 Oral	Rat	0.71 g/kg	-

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

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit		24 hours 500 mg	-

Conclusion/Summary		
Skin	:	There are no data available on the mixture itself.
Eyes	1	There are no data available on the mixture itself.
Respiratory	:	There are no data available on the mixture itself.
Sensitisation		
Conclusion/Summary		
Skin	:	There are no data available on the mixture itself.
Respiratory	:	There are no data available on the mixture itself.
Potential chronic health effe	ect	<u>s</u>
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. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Inhalation	1	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Skin contact	:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	Suspected of damaging the unborn child.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	Suspected of damaging fertility.
Chronic toxicity		
Not available.		
Carcinogenicity		

Section 11. Toxicological information

Conclusion/Summary	;	There are no data available on the mixture itself.
<u>Mutagenicity</u>		
Conclusion/Summary	:	There are no data available on the mixture itself.
Teratogenicity		
Conclusion/Summary	:	There are no data available on the mixture itself.
Reproductive toxicity		
Conclusion/Summary	:	There are no data available on the mixture itself.
Specific target organ toxicity	2	

Name		Route of exposure	Target organs
x ylene	Category 2	-	-
ethylbenzene	Category 2	inhalation	-
hexamethylene-di-isocyanate	Category 1	inhalation	-

Aspiration hazard

Not available.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Øral	2842.13 mg/kg
Dermal	9189.6 mg/kg
Inhalation (vapours)	45.27 mg/l
Inhalation (dusts and mists)	2.45 mg/l

Other 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 vapour/ aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitisation of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of skin sensitisation problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Repeated exposure may lead to permanent respiratory disability. Moisture-sensitive material. Avoid contact with skin and clothing.

Section 12. Ecological information

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Ecotoxicity

: No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Hexamethylene diisocyanate, oligomers	Acute EC50 >1000 mg/l	Algae - scenedesmus subspicatus	72 hours
ethylbenzene	Acute EC50 >100 mg/l Acute LC50 >100 mg/l Acute EC50 1.8 mg/l Fresh water	Daphnia - daphnia magna Fish - Danio rerio (zebra fish) Daphnia	48 hours 96 hours 48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-

Persistence/degradability

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Product name FAST HARDENER

Section 12. Ecological information

Product/ingredient name	Test	Result		Dose	Inoculum
ethylbenzene	-	79 % - Readily - 10	days	-	-
Product/ingredient name	Aquatic half-life		Photolysi	S	Biodegradability
✓ Examethylene diisocyanate, oligomers	-		-		Not readily
xylene ethylbenzene	-		-		Readily Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Hexamethylene diisocyanate, oligomers	5.54	3.2	low
xylene	3.12	7.4 to 18.5	low
ethylbenzene hexamethylene-di-isocyanate	3.6 0.02		low low

Mobility in soil

Soil/water partition : N coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Do not allow to enter drains or watercourses.

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 nonrecyclable 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, Not suitable: : Do not allow to enter drains or watercourses.

The classification of the product may meet the criteria for a hazardous waste. Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

Product name FAST HARDENER

14. Transport information

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

Additional information

: None identified.
: •3Y
: None identified.
: 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

Section 15. Regulatory information

New Zealand Inventory of Chemicals (NZIoC)	: All components are listed or exempted.
HSNO Approval Number	: HSR002669 Flammable, Toxic [6.7]
Emergency Management Regulations	: Level 1: Labelling required when 1L is present in a workplace.
	Level 2: MSDS required when any amount is present in a workplace. At least 2 x 4.5 kg powder fire extinguishers required when 500L is present in a workplace.
	Level 3: Emergency Response Plans and Secondary Containment required when 1000L is stored.
	Flammable Signage required when 1000L is present in a workplace.
	Toxic Signage required when 10000L is present in a workplace.

Product name FAST HARDENER

Section 15. Regulatory information

Classes 1 to 5 Control Regulations	 Hazardous Atmosphere Zones required for quantities greater than: 100L (closed), 25L (decanting), 5L (open occasionally), 1L (open continuously). Hazardous Substances Location Certificate required for quantities greater than: 1500L (containers up to 5L), 500L (containers >5L), 250L (open containers).
Approved Handler	: Not applicable.
International regulations	
Chemical Weapon Convent	ion List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol	
Not listed.	
Stockholm Convention on	Persistent Organic Pollutants
Not listed.	
Rotterdam Convention on I	Prior Informed Consent (PIC)
Not listed.	
UNECE Aarhus Protocol or	POPs and Heavy Metals
Not listed.	

Section 16. Other information

Date of issue	:	8 November 2021
✓ Indicates information that has changed from previously issued version.		
Key to abbreviations	:	STEL = Short Term Exposure Limit
		TWA = Time-Weighted Average

WES = Work Exposure Standard

References	: Not available.
Organisation that prepared the SDS	: EHS

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.