SAFETY DATA SHEET



4 March 2022 Date of issue

Version 2.02

Section 1. Product and company identification

Product name	: AQUAPON WB Epoxy Gloss Comp B
Product code	: 00338337
Other means of identification	: Not available.
Product type	: Liquid.

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

Identified uses

Coating. Paints. Painting-related materials.

Uses advised against	Reason
Not applicable.	

Supplier's details:	
Supplier	: PPG Industries Uruguay SA Av. Italia 5846 esq. Ancona – Montevideo Uruguay Tel. +598 26000514 Fax. +598 26003032
Email address:	: HazComLatam@ppg.com
Emergency telephone number	: Hospital de Clinicas- CIAT- 1722

Section 2. Hazards identification

Target organs	 AQUATIC HAZARD (LONG-TERM) - Category 2 Contains material which causes damage to the following organs: brain, central nervous system (CNS). Contains material which may cause damage to the following organs: blood, kidneys, liver, spleen, lymphatic system, upper respiratory tract, skin, bone marrow, eye, lens or cornea.
	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 3.2%
	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.8%
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Section 2. Hazards identification

GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	 May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Obtain special instructions before use. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling.
Response	: Collect spillage. IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. 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	: Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: Not available.

CAS number/other identifiers

CAS number : Not applicable.		
Ingredient name	%	CAS number
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin 2-(propyloxy)ethanol 2-butoxyethanol Petroleum Derivatives crystalline silica, respirable powder (>10 microns)	30 - <60 5 - <7 3 - <5 1 - <2 0.1 - <0.2	25068-38-6 2807-30-9 111-76-2 SUB100271 14808-60-7

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.

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Section 3. Composition/information on ingredients

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 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.	
Indication of immediate me	dical attention and special treatment needed, if necessary	
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large	
Specific treatments	: quantities have been ingested or inhaled.	
	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.	
Potential acute health effect	<u>'S</u>	
Eye contact	: Causes serious eye irritation.	
Inhalation	: No known significant effects or critical hazards.	
Skin contact	: May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.	
Ingestion	: No known significant effects or critical hazards.	

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media		
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.	
Unsuitable extinguishing media	: None known.	
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst. 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 halogenated compounds	
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.	
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Section 5. Fire-fighting measures

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 For emergency responders		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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. 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".
·		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.
Methods and materials for co		
Small spill	•	Stop leak if without risk. Move containers from spill area. 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. 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
 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. 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 vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name			Exposure limits	
✓ butoxyethanol crystalline silica, respirable powder (>10 microns)		der (>10 microns)	Ministry of Labor and Employment (Brazil, 11/2001). Absorbed through skin. TWA: 190 mg/m ³ 8 hours. TWA: 39 ppm 8 hours. ACGIH TLV (United States, 1/2021). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable fraction	
Recommended monitoring procedures	:	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.		
Appropriate engineering controls	:	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.		
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure 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 measures				
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 protection <u>Skin protection</u>	:	Chemical splash goggles.		

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.
Other 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.
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.

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Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Not available.
Odor	: Characteristic.
рН	: Not available.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 93.33°C (200°F)
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.07
Solubility	: Partially soluble 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

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: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds

Section 11. Toxicological information

Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
reaction product: bisphenol- A-(epichlorhydrin); epoxy	LD50 Dermal	Rabbit	>2 g/kg	-
resin				
	LD50 Oral	Rat	>2 g/kg	-
2-(propyloxy)ethanol	LD50 Dermal	Rabbit	1.337 g/kg	-
	LD50 Oral	Rat	3089 mg/kg	-
2-butoxyethanol	LD50 Dermal	Rat	>2000 mg/kg	-
-	LD50 Oral	Rat	1200 mg/kg	-

Conclusion/Summary Irritation/Corrosion

Observation Product/ingredient name Result **Species Score Exposure** Skin - Moderate irritant reaction product: bisphenol-Rabbit A-(epichlorhydrin); epoxy resin Eyes - Moderate irritant Rabbit Eves - Mild irritant Rabbit 100 mg Skin - Moderate irritant Rabbit 24 hours 500 UI Skin - Severe irritant Rabbit 24 hours 2 mg 2-butoxyethanol 28 days Skin - Moderate irritant Rabbit 4 hours Eyes - Irritant Rabbit 24 hours 21 days **Conclusion/Summary**

Conclusion/SummarySkin: 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

Code 00338337 Product name AQUAPON	l WB Epoxy Glo		of issue	4 March 2022	Version	2.02
Section 11. Toxic	ological	inform	ation			
Product/ingredient name	Route of exposure	Spec	cies	Result		
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	skin	Mou	Mouse Sensitizing			
Conclusion/Summary	•	·				
Skin	: There ar	e no data av	ailable on the mixtu	ıre itself.		
Respiratory	: There ar	e no data av	ailable on the mixtu	ıre itself.		
<u>Mutagenicity</u>						
Not available.						
Conclusion/Summary	: There ar	e no data av	ailable on the mixtu	ıre itself.		
Carcinogenicity						
Not available.						
	. T he second					
Conclusion/Summary	: There ar	e no data av	ailable on the mixtu	ire itseif.		
Classification		, , , , , , , , , , , , , , , , , , ,				
Product/ingredient name	OSHA	IARC I	NTP			
2-butoxyethanol	-	3 -				
crystalline silica, respirable powder (>10 microns)	-	1	Known to be a huma	an carcinogen.		
,						
Carcinogen Classification						
IARC: 1, 2A, 2B, 3, NTP: Known to be		nogen; Reaso	nably anticipated to be	a human carcinogen		
OSHA: +		• • • • • • •	· · · · · · · · · · · · · · · · · · ·			
Not listed/not regu	nateo: -					
Reproductive toxicity						
Not available.						
Conclusion/Summary	• There or	e no data av	ailable on the mixtu	ura itsalf		
		e no uala av				
<mark>Teratogenicity</mark> Not available.						
Conclusion/Summary			ailable on the mixtu	ıre itself.		
Specific target organ toxici	<u>ty (single ex</u>	<u>posure)</u>				
Name			Category	Route of exposure	Target or	gans
Petroleum Derivatives			Category 3	-	Respirator irritation	y tract

Not available.

Code 00338337 Product name AQUAPC	N WB Epoxy (Date of issue Gloss Comp B	4 March 2022	Version	2.02
Section 11. Toxic	cologic	al information			
Target organs	nervou Contai	ins material which causes c us system (CNS). ins material which may cau spleen, lymphatic system, u nea.	se damage to the followi	ng organs: bloo	d, kidneys
Aspiration hazard Not available.					
nformation on the likely outes of exposure	: Not av	vailable.			
Potential acute health effect	<u>ets</u>				
Eye contact	: Cause	es serious eye irritation.			
Inhalation	: No kno	own significant effects or cr	itical hazards.		
Skin contact		e harmful in contact with sk ause an allergic skin reactio		. Defatting to th	ne skin.
Ingestion	: No kno	own significant effects or cr	itical hazards.		

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
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

Conclusion/Summary	: There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
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Section 11. Toxicological information

Short term exposure	
Potential immediate effects	There are no data available on the mixture itself.
Potential delayed effects	There are no data available on the mixture itself.
Long term exposure	
Potential immediate effects	There are no data available on the mixture itself.
Potential delayed effects	There are no data available on the mixture itself.
Potential chronic health eff	<u>'S</u>
Not available.	
General	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.
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.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
QUAPON WB Epoxy Gloss Comp B reaction product: bisphenol-A-(epichlorhydrin); epoxy resin	5042 2500	4764.9 2500	N/A N/A	156 N/A	21.3 N/A
2-(propyloxy)ethanol 2-butoxyethanol	3089 1200	1337 2500	N/A N/A	N/A 11	N/A 1.5

Other information

: Not available.

Section 12. Ecological information

Ecotoxicity

Product/ingredient name	Result	Species	Exposure
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	Chronic NOEC 0.3 mg/l	Daphnia	21 days
2-butoxyethanol	Acute LC50 1474 mg/l Chronic NOEC >100 mg/l	Fish Fish	96 hours 21 days

Persistence/degradability

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Section 12. Ecological information

	5					
Product/ingredient name	Test	Result		Dose		Inoculum
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	OECD 301F	5 % - 28 da	ays	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	gradability
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin 2-butoxyethanol	-		-		Not rea	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
reaction product: bisphenol- A-(epichlorhydrin); epoxy resin	2.64 to 3.78	31	low
2-(propyloxy)ethanol 2-butoxyethanol	0.673 0.81	-	low low

Mobility in soil

Soil/water	partition	:	Not
coefficient	(Koc)		

Other adverse effects

: No known significant effects or critical hazards.

available.

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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	UN	Brazil (ANTT)	IMDG	ΙΑΤΑ
UN number	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
			English (US) Uruguay	11/13

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Section 14. Transport information

	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin)	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin)	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin)	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin)
Transport hazard class(es)	9	9	9	9
Packing group	III	III	III	III
Environmental hazards	Yes.	Yes.	Yes.	Yes.
Marine pollutant substances	Not applicable.	Not applicable.	(reaction product: bisphenol-A- (epichlorhydrin); epoxy resin)	Not applicable.

Additional information

UN	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, 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.
Brazil	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, 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.
Risk number	: 90
IMDG	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, 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.
ΙΑΤΑ	: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.
Special precautio	ons 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 to IMO instrumen	

Section 15. Regulatory information

Safety, health and
environmental regulations: No known specific national and/or regional regulations applicable to this productspecific for the product(including its ingredients).

Section 16. Other information

History

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	EHS

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Section 16. Other information

Key to abbreviations	: ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
	ADR = The European Agreement concerning the International Carriage of
	Dangerous Goods by Road
	ATE = Acute Toxicity Estimate
	BCF = Bioconcentration Factor
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	IATA = International Air Transport Association
	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)
	RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations
References	ABNT NBR 14725-4: 2014
	ANTT - National Land Transportation Agency

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.