SAFETY DATA SHEET



Date of issue 25 October 2023

Version 5

Section 1. Product and company identification

Product name
Product code
Other means of identification
Product type

- : PITT-CHAR XP HARDENER BLACK
- : 00393310
- : Not available.
- : 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 Colombia Ltda Calle 51 # 40-13 Municipio de Itagüí Antioquia, Colombia (57) (4) 3787400 (Porteria)
Email address:	: HazComLatam@ppg.com
Emergency telephone number	: Colombia: 01 8000 916012 (CISPROQUIM) + 571 288 6012 (CISPROQUIM) Ecuador: 1800-59-3005 (CISPROQUIM) Peru: 080-050-847 (CISPROQUIM)

Section 2. Hazards identification

Classification of the	: 🗚 CUTE TOXICITY (oral) - Category 5
substance or mixture	ACUTE TOXICITY (dermal) - Category 5
	SKIN CORROSION - Category 1C
	SERIOUS EYE DAMAGE - Category 1
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 1A
	TOXIC TO REPRODUCTION - Category 2
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	AQUATIC HAZARD (LONG-TERM) - Category 2
Target organs	: Contains material which may cause damage to the following organs: kidneys, liver, bladder, brain, upper respiratory tract, skin, eyes.

Code00393310Product namePITT-CHAR	ARDENER BL	Date of issue ACK	25 October 2023	Version	5
Section 2. Hazards	dentifica	ation			
	18.1%	of the mixture consis	ting of ingredient(s) of unl ting of ingredient(s) of unl		
	•	of the mixture consis conment: 11.1%	ting of ingredient(s) of unl	known hazards	to the
GHS label elements					
Hazard pictograms					
Signal word	Danger				
Hazard statements	Causes seve May cause a May cause c Suspected o May cause d system)	f damaging fertility o	/e damage. on. r the unborn child. ough prolonged or repeat	ed exposure. (urinary
Precautionary statements					
Prevention	•		e use. Wear protective glo d release to the environme		•
Response	INHALED: In Immediately vomiting. IF Rinse skin w contaminated doctor if you Get medical minutes. Rer	nmediately call a PO call a POISON CEN ON SKIN (or hair): 1 ith water. Immediate d clothing before reu feel unwell. Wash v advice or attention.	oncerned: Get medical ad ISON CENTER or doctor. TER or doctor. Rinse mo Take off immediately all co ely call a POISON CENTE se. IF ON SKIN: Call a P with plenty of water. If skir IF IN EYES: Rinse cautio , if present and easy to do TER or doctor.	. IF SWALLOW outh. Do NOT in ontaminated clo ER or doctor. W OISON CENTI n irritation or ra usly with water	VED: nduce othing. Vash ER or sh occurs: for several
Storage	Not applicab				
Disposal		ontents and containe onal regulations.	er in accordance with all lo	ocal, regional, r	national
Other hazards which do not result in classification	Causes dige	stive tract burns.			

Section 3. Composition/information on ingredients

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

CAS number/other identifiers

CAS number	: Not applicable.
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Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	30 - <60	68082-29-1
melamine	20 - <30	108-78-1
4,4'-Isopropylidenediphenol, ethoxylated	5 - <7	32492-61-8 (EO> 4.5 moles)
2,4,6-tris(dimethylaminomethyl)phenol	5 - <7	90-72-2
3,6-diazaoctanethylenediamin	3 - <5	112-24-3
glass, oxide, chemicals crystalline silica, respirable powder (>10 microns)	1 - <2 0.5 - <1	65997-17-3 14808-60-7

Date of issue

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 firs	t a	id measures
Eye contact	:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
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 med	ica	l attention and special treatment needed, if necessary
Notes to physician Specific treatments		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. 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 effects	2	
Eye contact	1	Causes serious eye damage.
Inhalation	1	No known significant effects or critical hazards.
Skin contact	:	Causes severe burns. May be harmful in contact with skin. May cause an allergic skin reaction.
Ingestion	1	May be harmful if swallowed. Corrosive to the digestive tract. Causes burns.

See toxicological information (Section 11)

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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 nitrogen oxides 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.
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, protec	tive 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 spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

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

Section 6. Accidental release measures

13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling	Fut 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. 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 vapor or mist. Do not ingest. 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.
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 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. 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
grass, oxide, chemicals	ACGIH TLV (United States). TWA: 1 f/cc Form: Continuous filament glass fibers TWA: 5 mg/m ³ , (Inhalable) Form: Continuous filament glass fibers TWA: 3 mg/m ³ Form: Respirable TWA: 10 mg/m ³ Form: Total dust ACGIH TLV (United States, 1/2022). [Continuous filament glass fibers Inhalable fraction / Respirable fibers] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction TWA: 1 f/cc 8 hours. Form: Respirable fibers: length greater than 5 uM; aspect ratio equal to or greater than 3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective) phase contrast illumination.
procedures national guida	ould be made to appropriate monitoring standards. Reference to nce documents for methods for the determination of hazardous ill also be required.

English (US)

Colombia

Section 8. Exposure controls/personal protection

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 measu	res

Hygiene measures Eye protection	 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. Chemical splash goggles and face shield.
Skin 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	: prítrile neoprene
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.

Section 9. Physical and chemical properties

Appearance	
Physical state	: Liquid.
Color	: Black.
Odor	: Characteristic.
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: Not available.

English (US)

Colombia

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Section 9. Physical and chemical properties

			-	•	
Flammability (solid, gas)	1	Not available.			
Lower and upper explosive (flammable) limits	:	Not available.			
Vapor pressure	1	Not available.			
Vapor density	1	Not available.			
Relative density	:	1.14			
Solubility(ies)		Media		Result	
Solubility(les)	ľ	cold water		Not soluble	
Partition coefficient: n- octanol/water	:	Not applicable.			
Auto-ignition temperature	1	Not available.			
Decomposition temperature	1	Not available.			
Viscosity	:	Kinematic (40°C (1	04°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 nitrogen oxides metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and	LD50 Dermal	Rat	>2000 mg/kg	-
triethylenetetramine	LD50 Oral	Rat	>2000 mg/kg	
melamine	LC50 Inhalation Dusts and mists		>5190 mg/m ³	- 4 hours
inclamile	LD50 Oral	Rat	3161 mg/kg	-
2,4,6-tris (dimethylaminomethyl) phenol	LD50 Dermal	Rabbit	1.28 g/kg	-
F	LD50 Dermal	Rat	1280 mg/kg	-
		English (US)	Colombia	7/13

ode 00393310 roduct name PITT-CHAR		R BLACK	Date of is			25 Octo	ober 202	23 Ver	sion 5
3,6-diazaoctanethylenediamin	LD50 Oral	LD50 Oral Rat LD50 Dermal Rabbit			1200 mg/kg - 1465 mg/kg - 1716 mg/kg -				
Conclusion/Summary rritation/Corrosion	: There ar	e no dat	a availal	ole on	the mixtu	ure itsel	f.		
Product/ingredient name	Result			Spec	ies	es Score		Exposure	Observation
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	Eyes - Severe irrita Skin - Irritant Skin - Visible necr		Huma			-		-	-
2,4,6-tris (dimethylaminomethyl) phenol						-	- 4 hours		- 7 days
Conclusion/Summary									
Skin	: There ar	e no dat	a availal	ole on	the mixtu	ure itsel	f.		
Eyes	: There ar	e no dat	a availal	ole on	the mixtu	ure itsel	f.		
Respiratory	: There ar	e no dat	a availal	ole on	the mixtu	ure itsel	f.		
<u>Sensitization</u>	-								
Product/ingredient name	Route of exposure	5	Species			Result			
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	skin		Mouse			Sensitizing			
3,6-diazaoctanethylenediamin	skin	(Guinea p	big			Sens	itizing	
Conclusion/Summary Skin Respiratory Mutagenicity Not available.	: There ar : There ar								
Conclusion/Summary Carcinogenicity Not available.	: There ar	e no dat	a availal	ole on	the mixtu	ure itsel	f.		
Conclusion/Summary <u>Classification</u>	: There ar	e no dat	a availal	ole on	the mixtu	ure itsel	f.		
Product/ingredient name	OSHA	IARC	NTP						
Melamine glass, oxide, chemicals crystalline silica, respirable powder (>10 microns)		2B 3 1	- - Knov	wn to k	e a hum	an carc	inoge	n.	

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Section 11. Toxicological information

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

Not available.

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

Teratogenicity

Not available.

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

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	•••	Route of exposure	Target organs
melamine	Category 2	-	urinary system

Target organs

: Contains material which may cause damage to the following organs: kidneys, liver, bladder, brain, upper respiratory tract, skin, eyes.

Aspiration hazard

Not available.

Information on the likely routes of exposure Potential acute health effects	: Not available.
Eye contact	- Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns. May be harmful in contact with skin. May cause an allergic skin reaction.
Ingestion	: May be harmful if swallowed. Corrosive to the digestive tract. Causes burns.
Symptoms related to the phy Eye contact	 /sical, chemical and toxicological characteristics Adverse symptoms may include the following:
	pain watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

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Section 11. Toxicological information

Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations

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.
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	fect	

Not available.

General	: May cause damage to organs through prolonged or repeated exposure. 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	: Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Section 11. Toxicological information

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)
FITT-CHAR XP HARDENER BLACK Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	2443.0 2500	2258.9 2500	N/A N/A	N/A N/A	N/A N/A
melamine	3161	N/A	N/A	N/A	N/A
2,4,6-tris(dimethylaminomethyl)phenol 3,6-diazaoctanethylenediamin	1200 1716	1280 1465	N/A N/A	N/A N/A	N/A N/A

Other information

: Not available.

Section 12. Ecological information

Ecotoxicity

Product/ingredient name	Result	Species	Exposure
Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	EC10 1.78 mg/l	Algae	72 hours
melamine 2,4,6-tris (dimethylaminomethyl)phenol	Acute EC50 200 mg/l Acute LC50 175 mg/l	Daphnia Fish	48 hours 96 hours

Persistence/degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
melamine	-1.22	3.8	Low
2,4,6-tris	0.219	-	Low
(dimethylaminomethyl)phenol			
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	Low

Mobility in soil

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

Other adverse effects

: No known significant effects or critical hazards.

English (US) Colombia

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 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. 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	UN3066	UN3066	UN3066	UN3066
UN proper shipping name	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	8	8	8	8
Packing group				
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(Polyamide)	Not applicable.

Additional information

UN	: None identified.
Brazil	: None identified.
Risk number	: 80
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq 5 \text{ L}$ or $\leq 5 \text{ kg}$.
ΙΑΤΑ	: 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 : Not applicable. to IMO instruments

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Section 15. Regulatory information

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

Section 16. Other information

History

Date of previous issue	22/2021	
Version		
	HS	
Key to abbreviations	DN = European Provisions concerning the International Carria bods by Inland Waterway DR = The European Agreement concerning the International C angerous Goods by Road TE = Acute Toxicity Estimate CF = Bioconcentration Factor HS = Globally Harmonized System of Classification and Label TA = International Air Transport Association IDG = International Maritime Dangerous Goods bgPow = logarithm of the octanol/water partition coefficient ARPOL = International Convention for the Prevention of Pollu 073 as modified by the Protocol of 1978. ("Marpol" = marine po ID = The Regulations concerning the International Carriage of (Rail N = United Nations	Carriage of ling of Chemicals tion From Ships, ollution)
References	BNT NBR 14725-4: 2014 NTT - 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.