

# **SAFETY DATA SHEET**



4 April 2020

# Section 1. Product and company identification

Product name
Product code
Other means of identification
Product type

: SIGMARINE 24 YELLOW 30000

- : 136775L.01
- : Not available.
  - : Liquid.

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

### **Identified uses**

responsible for this SDS

Coating. Paints. Painting-related materials.

Uses advised against	Reason
Not applicable.	

# Supplier's details: Supplier : PPG Industrial do Brasil – Tintas e Vernizes Ltda Via Anhanguera KM 106, Bairro Sao Judas Tadeu Sumare / SP, Brasil 55 19 2103-6000 (Recepção e Portaria) e-mail address of person : fispq@ppg.com

Emergency telephone number	1	0800 707 1767 / 0800 707 7022 – Empresa Suatrans Cotec
		0800 14 8110 – CEATOX - Centro de Assistência Toxicológica

# Section 2. Hazards identification

Cleasification of the	
Classification of the	: FLAMMABLE LIQUIDS - Category 3
substance or mixture	ACUTE TOXICITY (dermal) - Category 5
	TOXIC TO REPRODUCTION (Fertility) - Category 2
	TOXIC TO REPRODUCTION (Unborn child) - Category 2
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous
	system (CNS)) - Category 1
	AQUATIC HAZARD (ACUTE) - Category 3
	AQUATIC HAZARD (LONG-TERM) - Category 3
Target organs	: Contains material which causes damage to the following organs: brain, skin, central nervous system (CNS). Contains material which may cause damage to the following organs: kidneys, lungs, upper respiratory tract, eyes.
	upper respiratory tract, eyes.
	✓ Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 21.2% (Oral), 73.2% (Dermal), 43.6% (Inhalation)
	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 29.3%
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# Section 2. Hazards identification

GHS label elements Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	Flammable liquid and vapor. May be harmful in contact with skin. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS)) Harmful to aquatic life with long lasting effects.
Precautionary statements		
Prevention	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid release to the environment. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Response	-	Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Call a POISON CENTER or physician if you feel unwell.
Storage	:	Store locked up. Store in a well-ventilated place. Keep cool.
Disposal	1	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	: Not available.
identification	

## **CAS number/other identifiers**

<b>CAS number</b> : Not applicable.		
Ingredient name	%	CAS number
Solvent naphtha (petroleum), medium aliph.	12.5 - <15	64742-88-7
Naphtha (petroleum), hydrotreated heavy	7 - <10	64742-48-9
trizinc bis(orthophosphate)	0.5 - <1	7779-90-0
calcium bis(2-ethylhexanoate)	0.2 - <0.5	136-51-6
2-ethylhexanoic acid, zirconium salt	0.1 - <0.2	22464-99-9

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# Section 3. Composition/information on ingredients

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.

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Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

# Section 4. First aid measures

<b>Description of necessary fir</b>	r <u>st aid measures</u>	
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	<ul> <li>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.</li> </ul>	
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>	
Ingestion	<ul> <li>If swallowed, seek medical advice immediately and show this container or label.</li> <li>Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>	
Indication of immediate med	dical attention and special treatment needed, if necessary	
Notes to physician Specific treatments	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large</li> <li>quantities have been ingested or inhaled. No specific treatment.</li> </ul>	
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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves	
Potential acute health effects		
Potential acute health effect	ts	
Potential acute health effect Eye contact	ts : No known significant effects or critical hazards.	
Eye contact	: No known significant effects or critical hazards.	

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

	metal oxide/oxides	
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides	
Specific hazards arising from the chemical	: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful 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.	I
Unsuitable extinguishing media	: Do not use water jet.	
Extinguishing media Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.	

# **Section 5. Fire-fighting measures**

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, 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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.

## Methods and materials for containment 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 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

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# Section 7. Handling and storage

Precautions for safe : handling	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated
	materials should be removed from the workplace at the end of each working day and be stored outside.
Conditions for safe storage, : including any incompatibilities	Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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## Section 8. Exposure controls/personal protection

## Control parameters

#### **Occupational exposure limits**

Ingredient name	Exposure limits		
Solvent naphtha (petroleum), medium aliph. 2-ethylhexanoic acid, zirconium salt	ACGIH TLV (United States). TWA: 400 ppm ACGIH TLV (United States, 3/2019). STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes. TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.		

**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.

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Section 8. Expos	ure controls/personal protection
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, vapor 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 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	<u>ires</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye protection Skin protection	: Safety glasses with side shields.
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	: For prolonged or repeated handling, use the following type of gloves:
	Recommended: nitrile rubber
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges clothing should include anti-static overalls, boots and gloves.
Other skin protection	: 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

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
рН	Not available.
Melting point	: Not available.

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# **Section 9. Physical and chemical properties**

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Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 41°C (105.8°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	: 1.4
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.21 cm²/s (>21 cSt)
Viscosity	: 60 - 100 s (ISO 6mm)

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will 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	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

# Section 11. Toxicological information

## Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
Solvent naphtha (petroleum), medium aliph.	LD50 Dermal	Rabbit	>3000 mg/kg	-
·	LD50 Oral	Rat	>5000 mg/kg	-
Naphtha (petroleum), hydrotreated heavy	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>6 g/kg	-
trizinc bis(orthophosphate)	LC50 Inhalation Dusts and mists	Rat	>5.7 mg/l	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
2-ethylhexanoic acid,	LD50 Dermal	Rabbit	>5 g/kg	-

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zirconium salt	LD50 Oral	Rat	>5 g/kg	-	
Conclusion/Summary Irritation/Corrosion Not available.	: There are no data availabl	e on the mixture itsel	f.		
Conclusion/Summary Skin Eyes Respiratory Sensitization Not available.	<ul> <li>There are no data availabl</li> <li>There are no data availabl</li> <li>There are no data availabl</li> </ul>	e on the mixture itsel	lf.		
Conclusion/Summary Skin Respiratory <u>Mutagenicity</u> Not available.	: There are no data availabl : There are no data availabl		•••		
Conclusion/Summary <u>Carcinogenicity</u> Not available.	: There are no data availabl	e on the mixture itsel	lf.		
Conclusion/Summary <u>Reproductive toxicity</u> Not available.	: There are no data availabl	e on the mixture itsel	lf.		
Conclusion/Summary <u>Teratogenicity</u> Not available.	: There are no data availabl	e on the mixture itsel	lf.		

**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), medium aliph. Naphtha (petroleum), hydrotreated heavy	Category 3 Category 3	Not applicable. Not applicable.	Narcotic effects Respiratory tract irritation

## Specific target organ toxicity (repeated exposure)

Name		Category	Route of exposure	Target organs
Solvent naphtha (petroleum), medium aliph.		Category 1	Not determined	central nervous system (CNS)
Target organs	: Contains material v nervous system (CI	vhich causes damage t NS).	o the following organs	s: brain, skin, central

Contains material which may cause damage to the following organs: kidneys, lungs, upper respiratory tract, eyes.

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# Section 11. Toxicological information

Aspiration hazard

Name	Result		
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1		

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Information on the likely		Not available.
routes of exposure		
Potential acute health effects		
Eye contact	1	No known significant effects or critical hazards.
Inhalation	1	No known significant effects or critical hazards.
Skin contact	:	May be harmful in contact with skin. Defatting to the skin. May cause skin dryness and irritation.
Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the phy	<u>sic</u>	al, chemical and toxicological characteristics
Eye contact	1	No specific data.
Inhalation	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: irritation dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: 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. Exposure to component solvent 2 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 shortterm and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### Short term exposure

## Section 11. Toxicological information

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Potential immediate effects	: Th	ere are no data available on the mixture itself.
Potential delayed effects	: Th	ere are no data available on the mixture itself.
<u>Long term exposure</u>		
Potential immediate effects	: Th	ere are no data available on the mixture itself.
Potential delayed effects	: Th	ere are no data available on the mixture itself.
Potential chronic health eff	<u>ects</u>	
Not available.		
General		auses damage to organs through prolonged or repeated exposure. Prolonged or beated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	: No	o known significant effects or critical hazards.
Mutagenicity	: No	o known significant effects or critical hazards.
Teratogenicity	: Su	ispected of damaging the unborn child.
Developmental effects	• N.a	la sum significant offers, an avitical beyonds

- **Developmental effects** : No known significant effects or critical hazards.
- Fertility effects : Suspected of damaging fertility.

## Numerical measures of toxicity

## Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	(vapors)	Inhalation (dusts and mists) (mg/l)
GMARINE 24 YELLOW 30000	N/A		N/A	N/A	N/A
Solvent naphtha (petroleum), medium aliph.	N/A		N/A	N/A	N/A

## Other information

Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

# Section 12. Ecological information

### **Ecotoxicity**

Product/ingredient name	Result	Species	Exposure
rizinc bis(orthophosphate)	Acute LC50 0.112 mg/l	Fish	96 hours
2-ethylhexanoic acid,	Chronic NOEC 0.026 mg/l	Fish	30 days
zirconium salt	Acute LC50 >100 mg/l	Fish	96 hours

## Persistence/degradability

### Not available.

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## Section 12. Ecological information

### Bioaccumulative potential

Not available.

<u>Mobility in soil</u>	
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 minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

	Brazil (ANTT)	IMDG	IATA
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	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

### **Additional information**

Brazil	: None identified.			
Risk number	: 30			
IMDG	: None identified.			
IATA	: None identified.			

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## Section 14. Transport information

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.

# 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	: 10/14/2019
Version	: 3.03
Prepared by	: EHS
Key to abbreviations	<ul> <li>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</li> </ul>
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.