# **SAFETY DATA SHEET**



Date of issue 22 November 2022

Version 1.04

### Section 1. Product and company identification

Product name
Product code
Other means of identification
Product type

: SIGMARINE 48 YELLOW/SIGMA 3138

- : 000001161550
- : 00219234; 00219235
- : 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	<ul> <li>PPG Industrial do Brasil – Tintas e Vernizes Ltda</li> <li>Via Anhanguera KM 106, Bairro Sao Judas Tadeu</li> <li>Sumare / SP, Brasil</li> <li>55 19 2103-6000 (Recepção e Portaria)</li> </ul>
Email address:	: HazComLatam@ppg.com
Emergency telephone number	: 0800 707 1767 / 0800 707 7022 – Empresa Suatrans Cotec 0800 14 8110 – CEATOX - Centro de Assistência Toxicológica

### Section 2. Hazards identification

SURE) (Narcotic effects) -
(POSURE) - Category 1
organs: brain.
ring organs: blood, kidneys,
upper respiratory tract, skin,

		English (US)	Brazil	
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Code 000001161550 Product name SIGMARINE	Date of issue 48 YELLOW/SIGMA 3138	22 November 2022	Version 1.04
Section 2. Hazards	s identification		
	Percentage of the mixture consistin toxicity: 73.5%	ng of ingredient(s) of unk	nown acute inhalation
	Percentage of the mixture consistina aquatic environment: 39.3%	ng of ingredient(s) of unk	nown hazards to the
GHS label elements			
Hazard pictograms			
Signal word	: Danger	•	
Hazard statements	<ul> <li>Flammable liquid and vapor. Causes mild skin irritation. Harmful if inhaled. May cause drowsiness or dizzines: Suspected of causing cancer. Suspected of damaging fertility or to Causes damage to organs through nervous system (CNS)) Toxic to aquatic life with long lasting</li> </ul>	the unborn child. n prolonged or repeated e	exposure. (central
Precautionary statements			
Prevention	: Obtain special instructions before and eye or face protection. Keep a flames and other ignition sources. ventilating or lighting equipment. U static discharges. Avoid release to eat, drink or smoke when using thi	away from heat, hot surfa No smoking. Use explos Jse non-sparking tools. T o the environment. Do no	ces, sparks, open sion-proof electrical, Fake action to prevent
Response	: Collect spillage. IF exposed or cor INHALED: Call a POISON CENTE		
Storage	: Store in a well-ventilated place. Ke	ep container tightly close	d. Keep cool.
Disposal	: Dispose of contents and container and international regulations.	in accordance with all loo	cal, regional, national
Other hazards which do not result in classification	: Prolonged or repeated contact may	y dry skin and cause irrita	ition.

# Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: 00219234; 00219235

#### CAS number/other identifiers

**CAS number** : Not applicable.

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### Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Naphtha (petroleum), hydrodesulfurized heavy	30 - <60	64742-82-1
nonane	3 - <5	111-84-2
titanium dioxide	3 - <5	13463-67-7
1,2,4-trimethylbenzene	2 - <3	95-63-6
Talc , not containing asbestiform fibres	2 - <3	14807-96-6
xylene	1 - <2	1330-20-7
2-ethylhexanoic acid, zirconium salt	0.5 - <1	22464-99-9
ethylbenzene	0.2 - <0.5	100-41-4
calcium bis(2-ethylhexanoate)	0.1 - <0.2	136-51-6
cumene	0.1 - <0.2	98-82-8
neodecanoic acid, cobalt salt	0.1 - <0.2	27253-31-2

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

SUB codes represent substances without registered CAS Numbers.

### Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
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	: 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 m	edical attention and special treatment needed, if necessary
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed.
Specific treatments	: 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.
Potential acute health effe	<u>cts</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: Causes mild skin irritation. Defatting to the skin.
Ingestion	: Can cause central nervous system (CNS) depression.

#### See toxicological information (Section 11)

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# Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
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 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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. Collect spillage.
Methods and materials for co	ntainment 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.

### Section 6. Accidental release measures

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.
	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). 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. 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.
	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	Store between the following temperatures: 0 to 35°C (32 to 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.

# Section 8. Exposure controls/personal protection

**Control parameters Occupational exposure limits** 

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# Section 8. Exposure controls/personal protection

Ingredient name		Exposure limits				
Monane		ACGIH TLV (United States, 1/2022). TWA: 200 ppm 8 hours.				
titanium dioxide		TWA: 1050 mg/m <sup>3</sup> 8 hours. <b>ACGIH TLV (United States, 1/2022).</b> TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable				
1,2,4-trimethylbenzene		fraction, finescale particles <b>ACGIH TLV (United States, 1/2022).</b> TWA: 10 ppm 8 hours.				
Talc , not containing asbestife	orm fibres	ACGIH TLV (United States, 1/2022). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable				
xylene		Ministry of Labor and Employment (Brazi 11/2001). [Xylenes (o-, m-, p- isomers)] TWA: 340 mg/m <sup>3</sup> 8 hours. TWA: 78 ppm 8 hours.				
2-ethylhexanoic acid, zirconiu	ım salt	ACGIH TLV (United States, 1/2022). [Zirconium and compounds] STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.				
ethylbenzene		TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours. <b>Ministry of Labor and Employment (Brazi</b> <b>11/2001).</b> TWA: 340 mg/m <sup>3</sup> 8 hours.				
cumene		TWA: 78 ppm 8 hours. Ministry of Labor and Employment (Brazi 11/2001). Absorbed through skin.				
neodecanoic acid, cobalt salt		TWA: 190 mg/m <sup>3</sup> 8 hours. TWA: 39 ppm 8 hours. ACGIH TLV (United States, 1/2022). [cobalt and inorganic compounds] Skin sensitizer. Inhalation sensitizer. TWA: 0.02 mg/m <sup>3</sup> , (as Co) 8 hours.				
Recommended monitoring procedures		to appropriate monitoring standards. Reference to ts for methods for the determination of hazardous uired.				
Appropriate engineering controls	ventilation or other engineer contaminants below any rec also need to keep gas, vapo	tilation. Use process enclosures, local exhaust ring controls to keep worker exposure to airborne commended or statutory limits. The engineering control or or dust concentrations below any lower explosive ventilation equipment.				
Environmental exposure controls	: Emissions from ventilation of they comply with the require cases, fume scrubbers, filte	limits. Use explosion-proof ventilation equipment. Emissions from ventilation or work process equipment should be checked to ensu 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.				
ndividual protection measur	<u>es</u>					
Hygiene measures	before eating, smoking and Appropriate techniques sho	face thoroughly after handling chemical products, using the lavatory and at the end of the working period. uld be used to remove potentially contaminated clothing g before reusing. Ensure that eyewash stations and the workstation location.				

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# Section 8. Exposure controls/personal protection

Eye protection	: Safety glasses with side shields.
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	: For prolonged or repeated handling, use the following type of gloves:
	Recommended: polyvinyl alcohol (PVA), Viton® May be used: 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	<ul> <li>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.</li> </ul>
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	Yellow.			
Odor	: Aromatic. [Slight]			
рН	Not applicable.			
Melting point	: Not available.			
Boiling point	: >37.78°C (>100°F)			
Flash point	: Closed cup: 44°C (	111.2°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	: 0.96			
	Media	Result		
Solubility(ies)	: cold water	Not soluble		
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### Section 9. Physical and chemical properties

Partition coefficient: n- octanol/water	:	Not applicable.
Auto-ignition temperature	1	Not available.
Decomposition temperature	1	Not available.
Viscosity	1	Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)
Viscosity	1	> 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	: Depending on conditions, decomposition products may include the following material carbon oxides nitrogen oxides metal oxide/oxides

### Section 11. Toxicological information

#### Information on toxicological effects

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Product/ingredient name	Result	Species	Dose	Exposure
Naphtha (petroleum),	LD50 Oral	Rat	>5000 mg/kg	-
hydrodesulfurized heavy				
nonane	LC50 Inhalation Gas.	Rat	3200 ppm	4 hours
	LC50 Inhalation Vapor	Rat	16790 mg/m <sup>3</sup>	4 hours
titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
1,2,4-trimethylbenzene	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	5 g/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
2-ethylhexanoic acid,	LD50 Dermal	Rabbit	>5 g/kg	-
zirconium salt				
	LD50 Oral	Rat	>5 g/kg	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
cumene	LC50 Inhalation Vapor	Rat	39000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	12.3 g/kg	-
	LD50 Oral	Rat	1400 mg/kg	-
neodecanoic acid, cobalt salt	LD50 Oral	Rat - Female	1098 mg/kg	-

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### Section 11. Toxicological information

Conclusion/Summary

: There are no data available on the mixture itself.

Product/ingredient name	Result		Species	Score	e	Exposure	Observation	
xylene	Skin - Mode	erate irritar	nt Rabbit	-		24 hours 500 mg	-	
Conclusion/Summary				•	·			
Skin	: There are	e no data a	available on the mi	xture itsel	lf.			
Eyes	: There are	: There are no data available on the mixture itself.						
Respiratory	: There are	e no data a	available on the mi	xture itse	lf.			
Sensitization								
Product/ingredient name	Route of exposure	Sp	ecies		Result	t		
neodecanoic acid, cobalt salt	skin	Ма	ouse		Sensit	izing		
Conclusion/Summary								
Skin	: There are	e no data a	available on the mi	xture itsel	lf.			
Respiratory	: There are no data available on the mixture itself.							
Mutagenicity								
Mutagenicity	: There are	e no data a	available on the mi					
Mutagenicity Not available.	: There are	e no data a						
Mutagenicity Not available. Conclusion/Summary	: There are	e no data a						
Mutagenicity Not available. Conclusion/Summary Carcinogenicity Not available.			available on the mi	xture itse	lf.			
Mutagenicity Not available. Conclusion/Summary Carcinogenicity				xture itse	lf.			
Mutagenicity Not available. Conclusion/Summary Carcinogenicity Not available. Conclusion/Summary			available on the mi	xture itse	lf.			
Mutagenicity Not available. Conclusion/Summary Carcinogenicity Not available. Conclusion/Summary <u>Classification</u> Product/ingredient name Jitanium dioxide	: There are	e no data a IARC 2B	available on the mi available on the mi	xture itse	lf.			
Mutagenicity Not available. Conclusion/Summary Carcinogenicity Not available. Conclusion/Summary <u>Classification</u> Product/ingredient name Manium dioxide xylene	: There are	e no data a IARC 2B 3	available on the mi available on the mi NTP	xture itse	lf.			
Mutagenicity Not available. Conclusion/Summary Carcinogenicity Not available. Conclusion/Summary <u>Classification</u> Product/ingredient name Jitanium dioxide	: There are	e no data a IARC 2B	available on the mi available on the mi NTP -	xture itse	lf. If.		en	

Carcinogen Classification code:

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)** 

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# Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Aphtha (petroleum), hydrodesulfurized heavy	Category 3	-	Narcotic effects
nonane	Category 3	-	Narcotic effects
1,2,4-trimethylbenzene	Category 3	-	Respiratory tract irritation
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
cumene	Category 3	-	Respiratory tract irritation

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#### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Naphtha (petroleum), hydrodesulfurized heavy	Category 1	-	central nervous system (CNS)
ethylbenzene	Category 2	-	hearing organs
cumene	Category 2	-	-
neodecanoic acid, cobalt salt	Category 1	oral	gastrointestinal tract

#### Target organs

: Contains material which causes damage to the following organs: brain. Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, liver, cardiovascular system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

#### Aspiration hazard

Name	Result
Naphtha (petroleum), hydrodesulfurized heavy	ASPIRATION HAZARD - Category 1
nonane	ASPIRATION HAZARD - Category 1
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
cumene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	1	Not available.
Potential acute health effects	<u>s</u>	
Eye contact	:	No known significant effects or critical hazards.
Inhalation	1	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	:	Causes mild skin irritation. Defatting to the skin.
Ingestion	:	Can cause central nervous system (CNS) depression.

#### Symptoms related to the physical, chemical and toxicological characteristics

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# Section 11. Toxicological information

	-	
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness	
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations	
Skin contact	: Adverse symptoms may include the following: irritation redness 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. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). 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	
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# Section 11. Toxicological information

	-
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 effe	ects
Not available.	
General	: Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.

#### 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)
SIGMARINE 48 YELLOW/SIGMA 3138	63085.9	10857.0	18611.9	46.0	8.8
nonane	N/A	N/A	3200	16.79	N/A
1,2,4-trimethylbenzene	5000	N/A	N/A	18	1.5
xylene	4300	1700	N/A	11	1.5
ethylbenzene	3500	17800	N/A	17.8	1.5
cumene	1400	12300	N/A	39	N/A
neodecanoic acid, cobalt salt	1098	N/A	N/A	N/A	N/A

#### Other information

: Not available.

# Section 12. Ecological information

**Ecotoxicity** 

Product/ingredient name	Result	Species	Exposure
iffanium dioxide 2-ethylhexanoic acid, zirconium salt	Acute LC50 >100 mg/l Fresh water Acute LC50 >100 mg/l	Daphnia - Daphnia magna Fish	48 hours 96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water	Daphnia Daphnia - Ceriodaphnia dubia	48 hours -

#### Persistence/degradability

Product/ingredient name	Test	Result		Dose		Inoculum
ethylbenzene	-	79 % - Rea	dily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
<mark>iv</mark> ylene ethylbenzene	-		-		Readily Readily	

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# Section 12. Ecological information

**Bioaccumulative potential** 

Product/ingredient name	LogPow	BCF	Potential
ronane	5.65	-	high
1,2,4-trimethylbenzene	3.63	120.23	low
xylene	3.12	7.4 to 18.5	low
ethylbenzene	3.6	79.43	low
cumene	3.55	35.48	low

#### Mobility in soil

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

**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 methods	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
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.		
Marine pollutant substances	Not applicable.	(Naphtha (petroleum), hydrodesulfurized heavy, nonane)	Not applicable.

English (US) Brazil

# Section 14. Transport information

Additional inform	nation	
Brazil	: None identified.	
<b>Risk number</b>	: 30	
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq$ 5 L or $\leq$ 5 kg.	
ΙΑΤΑ	<b>IATA</b> : The environmentally hazardous substance mark may appear if required by other transportation regulations.	
Special precaution	<b>ons for user : Transport within user's premises:</b> 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		

Safety, health and	1	No known specific national and/or regional regulations applicable to this product
environmental regulations		(including its ingredients).
specific for the product		

# Section 16. Other information

Data of any loss losses	7/40/0004
Date of previous issue	: 7/12/2021
Version	: 1.04
Prepared by	: EHS
Key to abbreviations	<ul> <li>ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway</li> <li>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road</li> <li>ATE = Acute Toxicity Estimate</li> <li>BCF = Bioconcentration Factor</li> <li>GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association</li> <li>IMDG = International Maritime Dangerous Goods</li> <li>LogPow = logarithm of the octanol/water partition coefficient</li> <li>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)</li> <li>RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail</li> <li>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.
<u>Disclaimer</u>

### Section 16. Other information

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.