# **SAFETY DATA SHEET**



Date of issue 24 January 2024

Version 1

## Section 1. Product and company identification

Product name
Product code
Other means of identification
Product type

- : VIGOR ZN 302 SR EVO BASE BLUEGREEN
- : 000001199137
- : 00473600; 00473606
- : 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 INDUSTRIES CHILE S.A. Puerto Madero 9710, Of. 23 Pudahuel - Chile Teléfono: +56 (2) 2571 0750 Fax: +56 (2) 2571 0752</li> </ul>
Email address:	: HazComLatam@ppg.com
Emergency telephone number	: +56 (2) 2777 1994 (RITA CHILE)

## Section 2. Hazards identification

Classification of the	: FLAMMABLE LIQUIDS - Category 2
substance or mixture	ACUTE TOXICITY (oral) - Category 5
	ACUTE TOXICITY (dermal) - Category 5
	SKIN IRRITATION - Category 2
	EYE IRRITATION - Category 2A
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 2
	AQUATIC HAZARD (ACUTE) - Category 1
	AQUATIC HAZARD (LONG-TERM) - Category 1
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, peripheral nervous system, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea.

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Code 000001199137 Product name VIGOR ZN	Date of issue         24 January 2024         Version         1           302 SR EVO BASE BLUEGREEN         302
Section 2. Hazard	s identification
	<ul> <li>Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxic 69.1%</li> <li>Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 69.1%</li> <li>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 21.8%</li> </ul>
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>Highly flammable liquid and vapor. May be harmful if swallowed or in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	: Obtain special instructions before use. Wear protective gloves, protective clothi and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prever static discharges. Keep container tightly closed. Avoid release to the environme Avoid breathing vapor. Wash thoroughly after handling.
Response	: Collect spillage. IF exposed or concerned: Get medical advice or attention. Tak 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 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	: Store in a well-ventilated place. Keep cool.
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.
Classification according to NCh382:	: 3
Label according to NCh2190:	

Chile

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### Section 3. Composition/information on ingredients

#### Substance/mixture Other means of identification

: Mixture

: 00473600; 00473606

### **CAS number/other identifiers**

CAS number

: Not applicable.

Ingredient name	%	CAS number
Zinc powder - zinc dust (stabilized)	30 - <60	7440-66-6
Propane, 1-(ethenyloxy)-2-methyl-, polymer with chloroethen	ne 7 - <10	25154-85-2
xylene	7 - <10	1330-20-7
o-xylene	5 - <7	95-47-6
Epoxy Resin (700 <mw<=1100)< td=""><td>5 - &lt;7</td><td>25036-25-3</td></mw<=1100)<>	5 - <7	25036-25-3
Cement, portland, chemicals	2 - <3	65997-15-1
isobutyl acetate	2 - <3	110-19-0
bis-[4-(2,3-epoxipropoxi)phenyl]propane	2 - <3	1675-54-3
butanone	2 - <3	78-93-3
ethylbenzene	1 - <2	100-41-4
zinc oxide	0.2 - <0.5	1314-13-2
zinc oxide	0.2 - <	<0.5

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

<b>Description of necessary firs</b>	t a	id measures
Eye contact	1	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	1	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	:	Treat symptomatically. Contact poison treatment specialist immediately if large 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. 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	5	
Eye contact	1	Causes serious eye irritation.
Inhalation	1	No known significant effects or critical hazards.

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### Section 4. First aid measures

**Skin contact** 

Ingestion

May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
May be harmful if swallowed.

See toxicological information (Section 11)

### 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	: Highly 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 very 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 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	<ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> </ul>

## Section 6. Accidental release measures

Personal precautions, protect	ctive 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 containment and cleaning up

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Sectio	n 6. Accider	ntal release measures			
Small spill		<ul> <li>Stop leak if without risk. Move contained explosion-proof equipment. Dil Alternatively, or if water-insoluble, ai appropriate waste disposal contained contractor.</li> </ul>	ute with water and mop u bsorb with an inert dry m	up if water-solu naterial and pla	uble. Ice in an
Large spill		: Stop leak if without risk. Move conta and explosion-proof equipment. Ap sewers, water courses, basements effluent treatment plant or proceed a combustible, absorbent material e.g and place in container for disposal a Dispose of via a licensed waste disp material may pose the same hazard emergency contact information and	proach release from upw or confined areas. Wash as follows. Contain and . sand, earth, vermiculite according to local regulat posal contractor. Contan I as the spilled product.	vind. Prevent of h spillages into collect spillage e or diatomace tions (see Sect ninated absorb Note: see Sect	entry into o an e with non- ous earth tion 13). oent

## 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. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Conditions for safe storage, : including any incompatibilities	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

<u>Control parameters</u> <u>Occupational exposure limits</u>

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Section 8. Exposur	e controls/personal p	rotection		
Cinc en polvo (estabilizado) Propane, 1-(ethenyloxy)-2-met xileno	hyl-, polymer with chloroethene	Not regulated. Not regulated. <b>Ministry of Health (</b> STEL: 651 mg/m <sup>3 /</sup> STEL: 150 ppm 15 TWA: 380 mg/m <sup>3</sup> 8 TWA: 87 ppm 8 ho	15 minutes. minutes. hours.	. [Xylene]
o-Xileno		Ministry of Health ( STEL: 651 mg/m <sup>3</sup> STEL: 150 ppm 15 TWA: 380 mg/m <sup>3</sup> 8 TWA: 87 ppm 8 ho	Chile, 2/2018) 15 minutes. minutes. 8 hours.	. [Xylene]
Epoxy Resin (700 <mw<=1100 Cement, portland, chemicals</mw<=1100 	)	Not regulated. <b>Ministry of Health (</b> TWA: 8.8 mg/m³ 8		
acetato de isobutilo		Ministry of Health ( TWA: 624 mg/m³ 8 TWA: 131 ppm 8 h	( <b>Chile, 2/2018)</b> 8 hours.	
Bis-[4-(2,3-epoxipropoxi)fenil]p Butanona	ropano	Not regulated. <b>Ministry of Health (</b> STEL: 885 mg/m <sup>3 -</sup> STEL: 300 ppm 15 TWA: 516 mg/m <sup>3</sup> 8 TWA: 175 ppm 8 h	( <b>Chile, 2/2018)</b> 15 minutes. minutes. 8 hours.	
Etilbenceno		Ministry of Health ( STEL: 543 mg/m <sup>3</sup> STEL: 125 ppm 15 TWA: 380 mg/m <sup>3</sup> 8	Chile, 2/2018) 15 minutes. minutes. 8 hours.	
Óxido de cinc		TWA: 87 ppm 8 ho <b>Ministry of Health (</b> STEL: 10 mg/m³ 15 TWA: 4.4 mg/m³ 8	( <b>Chile, 2/2018)</b> 5 minutes. Forr	n: Fume
Recommended monitoring procedures	<ul> <li>Reference should be made to app national guidance documents for r substances will also be required.</li> </ul>			
Appropriate engineering controls	<ul> <li>Use only with adequate ventilation ventilation or other engineering co contaminants below any recomme also need to keep gas, vapor or du limits. Use explosion-proof ventila</li> </ul>	ntrols to keep worker exp nded or statutory limits. ust concentrations below	oosure to airbor The engineerir	ne Ig controls
Environmental exposure controls	<ul> <li>Emissions from ventilation or work they comply with the requirements cases, fume scrubbers, filters or e equipment will be necessary to rec</li> </ul>	process equipment sho of environmental protect ngineering modifications	tion legislation. to the process	

Individual protection measures

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Section 8. Expos	ure controls/personal protection
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	: Chemical splash goggles.
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	: 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. 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	: Blue.
Odor	: Aromatic. [Slight]
рН	: Not applicable.
Melting point	: Not available.
Boiling point	: >37.78°C (>100°F)
Flash point	: Closed cup: 18°C (64.4°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	: 2.06

## Section 9. Physical and chemical properties

		Media Result
Solubility(ies)	•	cold water Not soluble
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)
Viscosity	:	> 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 mater carbon oxides halogenated compounds metal oxide/oxides

## Section 11. Toxicological information

### Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Zinc powder - zinc dust (stabilized)	LC50 Inhalation Dusts and mists	Rat	>5.4 mg/l	4 hours
	LD50 Oral	Rat	>2000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
o-xylene	LC50 Inhalation Vapor	Rat	27124 mg/m <sup>3</sup>	4 hours
-	LD50 Dermal	Rabbit	12126 mg/kg	-
	LD50 Oral	Rat	3523 mg/kg	-
Epoxy Resin (700 <mw< td=""><td>LD50 Dermal</td><td>Rat</td><td>&gt;2000 mg/kg</td><td>-</td></mw<>	LD50 Dermal	Rat	>2000 mg/kg	-
<=1100)				
,	LD50 Oral	Rat	>2000 mg/kg	-
isobutyl acetate	LD50 Dermal	Rabbit	>17400 mg/kg	-
-	LD50 Oral	Rat	13400 mg/kg	-
bis-[4-(2,3-epoxipropoxi)	LD50 Dermal	Rabbit	23000 mg/kg	-
phenyl]propane				
	LD50 Oral	Rat	15000 mg/kg	-
butanone	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 Oral	Rat	2737 mg/kg	-
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ethylbenzene zinc oxide	LD50 Dermal LD50 Oral LC50 Inhalation Dusts and mists LD50 Dermal			Rat Rabbit Rat Rat Rat Rat	abbit 17.8 g/kg at 3.5 g/kg at >5700 mg/ at >2000 mg/		kg g mg/m³ mg/kg	l - - g/m³ 4 hours g/kg -	
Conclusion/Summary rritation/Corrosion		e no data ava	ailable on		ture itsel		iiig/itg		
Product/ingredient name	Result		Spec	ies	Score	e E	Exposure	Observation	
xylene bis-[4-(2,3-epoxipropoxi)	Skin - Mode Eyes - Mild	erate irritant irritant	Rabb		-	2 n	4 hours 50 ng 4 hours	0 -	
phenyl]propane	Eyes - Red conjunctiva Skin - Eder	ness of the e na ıema/Eschar	Rabb Rabb Rabb Rabb	it it	0.4 0.5 0.8	4 4	4 hours hours hours hours	-	
Skin Eyes Respiratory <u>Sensitization</u>	: There are	e no data ava e no data ava e no data ava	ailable on	the mix	ture itsel	lf.			
Product/ingredient name	Route of exposureSpeciesResult								
bis-[4-(2,3-epoxipropoxi) phenyl]propane	skin	Mous	e			Sensiti	zing		
Conclusion/Summary Skin Respiratory <u>Mutagenicity</u> Not available.	<ul><li>There are no data available on the mixture itself.</li><li>There are no data available on the mixture itself.</li></ul>								
Conclusion/Summary Carcinogenicity Not available.	: There are	e no data ava	ailable on	the mix	ture itsel	lf.			
Conclusion/Summary <u>Classification</u>	: There are	e no data ava	ailable on	the mix	ture itsel	lf.			
Product/ingredient name	OSHA	IARC N	ТР						
xylene o-xylene bis-[4-(2,3-epoxipropoxi) phenyl]propane ethylbenzene		3 - 3 - 3 - 2B -							

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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)

Name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
o-xylene	Category 3	-	Respiratory tract irritation
Cement, portland, chemicals	Category 3	-	Respiratory tract irritation
isobutyl acetate	Category 3	-	Respiratory tract irritation
butanone	Category 3	-	Narcotic effects

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

Name		Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs

#### 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, peripheral nervous system, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea.

#### Aspiration hazard

Name	Result
xylene	ASPIRATION HAZARD - Category 1
o-xylene	ASPIRATION HAZARD - Category 1
butanone	ASPIRATION HAZARD - Category 2
ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	Causes serious eye irritation.
Inhalation	:	No known significant effects or critical hazards.

## Section 11. Toxicological information

Skin contact	: May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: May be harmful if swallowed.
Symptoms related to the pl	hysical, chemical and toxicological characteristics
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. 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	1	There are no data available on the mixture itself.
<u>Long term exposure</u>		
Potential immediate effects	:	There are no data available on the mixture itself.
Potential delayed effects	1	There are no data available on the mixture itself.
Potential chronic health eff	ect	<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	:	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	No known significant effects or critical hazards.

English (US)

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## Section 11. Toxicological information

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)
VIGOR ZN 302 SR EVO BASE BLUEGREEN	4385.9	2419.3	N/A	56.5	13.0
xylene	4300	1700	N/A	11	1.5
o-xylene	3523	1100	N/A	11	N/A
Epoxy Resin (700 <mw<=1100)< td=""><td>2500</td><td>2500</td><td>N/A</td><td>N/A</td><td>N/A</td></mw<=1100)<>	2500	2500	N/A	N/A	N/A
isobutyl acetate	13400	N/A	N/A	N/A	N/A
bis-[4-(2,3-epoxipropoxi)phenyl]propane	15000	23000	N/A	N/A	N/A
butanone	2737	6480	N/A	N/A	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
zinc oxide	N/A	2500	N/A	N/A	N/A

#### **Other information**

: Not available.

## Section 12. Ecological information

### **Ecotoxicity**

Product/ingredient name	Result	Species	Exposure
Zinc powder - zinc dust (stabilized)	Acute EC50 0.106 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
<b>``</b> ,	Chronic EC10 6.3 µg/l	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Acute LC50 1.8 mg/l Fresh water	Daphnia - <i>daphnia magna</i>	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae	72 hours

### Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
o-xylene ethylbenzene	OECD 301F -	94 % - Readily - 28 days 79 % - Readily - 10 days	-	-

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## Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
o-xylene bis-[4-(2,3-epoxipropoxi)	-	-	Readily Not readily
phenyl]propane ethylbenzene	-	-	Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
o-xylene	3.12	14.13	Low
isobutyl acetate	2.3	-	Low
butanone	0.3	-	Low
ethylbenzene	3.6	79.43	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 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. 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

	UN	Brazil (ANTT)	IMDG	ΙΑΤΑ	
UN number	UN1263	UN1263	UN1263	UN1263	
UN proper shipping name	PAINT	PAINT	PAINT	PAINT	
Transport hazard class(es)	3	3	3	3	
Packing group	II	II	II	II	
	English (US) Chile 13/15				

Code	000001199137	Date of issue	24 January 2024	Version	1
Product nam	ne VIGOR ZN 302 SR EVO BAS	SE BLUEGREEN			

# Section 14. Transport information

	-			
Environmental	Yes. The	Yes. The	Yes.	Yes. The
hazards	environmentally	environmentally		environmentally
	hazardous substance	hazardous substance		hazardous substance
	mark is not required.	mark is not required.		mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(Zinc powder - zinc dust (stabilized))	Not applicable.

### **Additional information**

UN	: None identified.		
Brazil	: None identified.		
<b>Risk number</b>	: 33		
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq$ 5 L or $\leq$ 5 kg.		
ΙΑΤΑ	: 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	: NCh 382 - Hazardous substances - General terminology and classification.
environmental regulations	NCh 2245 - Material Safety Data Sheet for Chemicals - Contents and section order.
specific for the product	D. S. 148 - Sanitary regulations on hazardous waste management.
	D. S. 298 - Transport of dangerous goods by road.
	D. S. 374 – Limit for Lead content in paints.
	D. S. 594 - Regulation on basic sanitary and environmental conditions at workplace.

## Section 16. Other information

<u>History</u>		
Date of previous issue	:	No previous validation
Version	:	1
		EHS
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

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### Section 16. Other information

References

by Rail UN = United Nations : 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.

English (US)	Chile	15/15