SAFETY DATA SHEET



Date of issue 20 December 2023

Version 6.04

Section 1. Product and company identification

Product name	1	
Product code	:	
Other means of identification	1	
Product type	:	

SIGMACOVER 456 BASE (LEAD FREE COLOURS)

00328431

: Not available.

Liquid.

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

Identified uses

Coating. Paints. Painting-related materials.

Uses advised against	Reason
Not applicable.	

Supplier's details:	
Supplier	 PPG 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)
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

Classification of the substance or mixture	: FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 5 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Target organs	 AQUATIC HAZARD (ACUTE) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 3 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, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea.

English (US) Brazil	
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Code00328431Product nameSIGMACOV	Date of issue 20 December 2023 Version 6.04 R 456 BASE (LEAD FREE COLOURS)
Section 2. Hazards	identification
	 Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 27.4% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 58.4% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 66.2%
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	 Flammable liquid and vapor. May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause cancer. Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Obtain special instructions before use. Wear protective gloves, protective clothing and eye or face protection. 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 prevent static discharges. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling.
Response	: IF exposed or concerned: Get medical advice or attention. IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	: Store in a well-ventilated place. Keep container tightly closed. 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.

Section 3. Composition/information on ingredients

Substance/mixture Other means of identification

CAS number

: Mixture

: Not available.

CAS number/other identifiers

: Not applicable.

Ingredient name	%	CAS number
Epoxy Resin	20 - <30	SUB110652
barium sulfate	20 - <30	7727-43-7
xylene	15 - <20	1330-20-7
Époxy resin (MW ≤ 700)	5 - <7	25068-38-6
ethylbenzene	3 - <5	100-41-4
carbon black	2 - <3	1333-86-4
2-methylpropan-1-ol	1 - <2	78-83-1
crystalline silica, respirable powder (<10 microns)	0.2 - <0.5	14808-60-7

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

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

SUB codes represent substances without registered CAS Numbers.

Section 4. First aid measures

Description of necessary first aid measures

Description of necessary in	
Eye contact	 Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Indication of immediate me	lical attention and special treatment needed, if necessary
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large
Specific treatments	: quantities have been ingested or inhaled.
	No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Potential acute health effect	<u>s</u>
Eye contact	: Causes serious eye irritation.
Inhalation	: Harmful if inhaled. May cause respiratory irritation.
Skin contact	: May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

English (US)

Brazil

Section 4. First aid measures

Ingestion

: No known significant effects or critical hazards.

See toxicological information (Section 11)

Section 5. Fire-fighting measures		
Extinguishing media		
Suitable extinguishing media	: Use dry chemical, CO ₂ , 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 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.	
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides sulfur 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	 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, protect	ctiv	ve 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

Code Product nam	00328431 1e		Date of issue R 456 BASE (LEAD FREE COLOURS)	20 December 2023	Version	6.04
Sectio	n 6. A	cciden	tal release measures			
Small spill		:	Stop leak if without risk. Move conta and explosion-proof equipment. Dil Alternatively, or if water-insoluble, al appropriate waste disposal containe contractor.	ute with water and mop u bsorb with an inert dry ma	p if water-solu aterial and place	ıble. ce in an
Large spill		:	Stop leak if without risk. Move conta and explosion-proof equipment. Ap sewers, water courses, basements of 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 upwi or confined areas. Wash as follows. Contain and c . sand, earth, vermiculite according to local regulation osal contractor. Contam as the spilled product. N	ind. Prevent e spillages into ollect spillage or diatomace ons (see Secti inated absorb lote: see Sect	entry into an with non- ous earth ion 13). pent

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>

Version

Section 8. Exposure controls/personal protection

Ingredient name		Exposure limits	
<mark>ቓ</mark> arium sulfate		ACGIH TLV (United States, 1/2023). TWA: 5 mg/m ³ 8 hours. Form: Inhalable	
xylene		fraction Ministry of Labor and Employment (Brazil 11/2001). [Xylenes (o-, m-, p- isomers)]	
ethylbenzene		TWA: 340 mg/m ³ 8 hours. TWA: 78 ppm 8 hours. Ministry of Labor and Employment (Brazil 11/2001). TWA: 340 mg/m ³ 8 hours.	
carbon black		TWA: 78 ppm 8 hours. Ministry of Labor and Employment (Brazil 11/2001).	
2-methylpropan-1-ol		TWA: 3.5 mg/m ³ 8 hours. Ministry of Labor and Employment (Brazil 11/2001). TWA: 115 mg/m ³ 8 hours	
crystalline silica, respirable p	owder (<10 microns)	TWA: 115 mg/m ³ 8 hours. TWA: 40 ppm 8 hours. ACGIH TLV (United States, 1/2023). [Silica crystalline] TWA: 0.025 mg/m ³ 8 hours. Form: Respirable	
Recommended monitoring procedures		propriate monitoring standards. Reference to methods for the determination of hazardous	
Appropriate engineering controls	ventilation or other engineering of contaminants below any recomm also need to keep gas, vapor or	on. Use process enclosures, local exhaust controls to keep worker exposure to airborne nended or statutory limits. The engineering controls dust concentrations below any lower explosive lation equipment	
Environmental exposure controls	 limits. Use explosion-proof ventilation equipment. 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. 		
ndividual protection measur	<u>es</u>		
Hygiene measures	before eating, smoking and using Appropriate techniques should b Contaminated work clothing sho	thoroughly after handling chemical products, g the lavatory and at the end of the working period. e used to remove potentially contaminated clothing. uld not be allowed out of the workplace. Wash using. Ensure that eyewash stations and safety ation location.	
Eye protection Skin protection	: Chemical splash goggles.		

Brazil

Section 8. Exposure controls/personal protection

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	: butyl rubber
Body protection Other skin 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. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be
	approved by a specialist before handling this product.
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

Appearance

Appearance						
Physical state	1	Liquid.				
Color	1	Various				
Odor	:	Aromatic.				
рН	:	Not applicable.				
Melting point	:	Not available.				
Boiling point	:	>37.78°C (>100°F)				
Flash point	:	Closed cup: 27.5°C (81.5°F)				
Evaporation rate	:	Not available.	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(ies)		Media Result				
oorability(163)	1	cold water Not solub	le			
Partition coefficient: n- octanol/water	:	Not applicable.				
Auto-ignition temperature	:	430°C (806°F)				
Decomposition temperature	:	Not available.				

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Section 9. Phys	ical and chemical properti	ies	
Viscosity	: Kinematic (room temperature): >400 Kinematic (40°C (104°F)): >21 mm ²		
Viscosity	: 60 - 100 s (ISO 6mm)		
Section 10. Sta	bility and reactivity		
Reactivity	: No specific test data related to react	tivity available for this pr	oduct or its ingredients.
Chemical stability	: The product is stable.		
Possibility of hazardous reactions	: Under normal conditions of storage	and use, hazardous rea	ictions will not occur.
Conditions to avoid	: When exposed to high temperatures products.	s may produce hazardo	us decomposition
Incompatible materials	: Keep away from the following mater oxidizing agents, strong alkalis, stro		kothermic reactions:
Hazardous decomposition products	on : Depending on conditions, decompose carbon oxides sulfur oxides haloge		

Information on toxicological effects

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Product/ingredient name	Result	Species	Dose	Exposure
				Expoouto
parium sulfate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
Epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
,	LD50 Oral	Rat	>2 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	-
carbon black	LD50 Oral	Rat	>10 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation	
x ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500	-	
				mg		
Epoxy resin (MW \leq 700)	Eyes - Mild irritant	Rabbit	-	-	-	
	Skin - Mild irritant	Rabbit	-	-	-	
Conclusion/Summary						
Skin	: There are no data available on the mixture itself.					
Eyes	: There are no data available on the mixture itself.					

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Section 11. Toxico	ologica	l infor	mation			
Respiratory Sensitization	: There a	re no data	available on the	mixture itself.		
Product/ingredient name	Route of exposure	S	pecies	Result		
Epoxy resin (MW ≤ 700)	skin	N	louse	Sensitizing		
Conclusion/Summary		•				
Skin	: There a	re no data	available on the	mixture itself.		
Respiratory	: There a	re no data	available on the	mixture itself.		
Mutagenicity						
Not available.						
Carcinogenicity Not available. Conclusion/Summary <u>Classification</u>	: There a	re no data	available on the	mixture itself.		
Product/ingredient name	OSHA	IARC	NTP			
x ylene	-	3	-			
ethylbenzene	-	2B	-			
carbon black	-	2B	-			
crystalline silica, respirable	+	1	Known to be a	a human carcinogen.		
powder (<10 microns)						
Carcinogen Classification of IARC: 1, 2A, 2B, 3, 4 NTP: Known to be OSHA: + Not listed/not regula	a human carc	inogen; Rea	asonably anticipated	d to be a human carcinogen		
<u>Reproductive toxicity</u> Not available.						
not avaliable.						
Conclusion/Summary	: There a	re no data	available on the	mixture itself.		
Teratogenicity						

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
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

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Name		Route of exposure	Target organs
	Category 2	-	hearing organs
	Category 1	inhalation	-

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

Aspiration hazard

Name	Result
ethylbenzene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 2

Information on the likely routes of exposure	1	Not available.
Potential acute health effects		
Eye contact	:	Causes serious eye irritation.
Inhalation	:	Harmful if inhaled. May cause respiratory irritation.
Skin contact	:	May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the phy	sic	cal, chemical and toxicological characteristics
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing
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

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Product nan	ıe	SIGMACOVER 456 BASE (LEAD FREE COLOURS)			

Conclusion/Summary		There are no data available on the mixture itself. This product contains crystalline
contractoria cumulary	1	silica which can cause lung cancer or silicosis. The risk of cancer depends on the
		duration and level of exposure to dust from sanding surfaces or mist from spray
		applications. Carbon black is utilized as a raw material in many liquid coating
		formulations. In this case, the carbon black particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of carbon black 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). Most carbon blacks contain trace quantities of polyaromatic hydrocarbons (PAH). PAHs are not expected to be released in
		biological fluids and are therefore not likely available for biological activity.
		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		oral, initialation and definal routes of exposure and eye contact.
Potential immediate		There are no data available on the mixture itself.
effects	1	
Potential delayed effects	:	There are no data available on the mixture itself.
Long term exposure		
Potential immediate	4	There are no data available on the mixture itself.
effects		There are no data available on the mixture itself
Potential delayed effects Potential chronic health effected		There are no data available on the mixture itself.
Not available.		
General	÷	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/
		or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity		No known significant effects or critical hazards.
Numerical measures of toxic	ity	

Acute toxicity estimates

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Product nam	ne	SIGMACOVER 456 BASE (LEAD FREE COLOURS)			

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
GMACOVER 456 BASE (LEAD FREE COLOURS)	9102.9	3022.1	N/A	21.6	2.8
barium sulfate	N/A	2500	N/A	N/A	N/A
xylene	4300	1700	N/A	11	1.5
Epoxy resin (MW \leq 700)	2500	2500	N/A	N/A	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A

Other information

: Not available.

Section 12. Ecological information

Ecotoxicity

Product/ingredient name	Result	Species	Exposure
Epoxy resin (MW ≤ 700)	Acute LC50 1.8 mg/l	Daphnia	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	-
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours

Persistence/degradability

Product/ingredient name	Test	Result		Dose		Inoculum
Epoxy resin (MW ≤ 700) ethylbenzene	OECD 301F -	5 % - 28 da 79 % - Rea	ays Idily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	gradability
xylene Epoxy resin (MW ≤ 700) ethylbenzene	- - -		- -		Readily Not rea Readily	adily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
x ylene	3.12	7.4 to 18.5	Low
Epoxy resin (MW \leq 700)	3	31	Low
ethylbenzene	3.6	79.43	Low
2-methylpropan-1-ol	1	-	Low

Mobility in soil

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

Other adverse effects : No known significant effects or critical hazards.

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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

	Brazil (ANTT)	IMDG	ΙΑΤΑ
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 inform	nation
Brazil	: None identified.
Risk number	: 30
IMDG	 This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.
ΙΑΤΑ	: None identified.
Special precaution	ons for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

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Section 15. Regulatory information

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

Section 16. Other information

History	

Date of previous issue Version Prepared by	:	8/9/2023 6.04 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 by Rail UN = United Nations
References	:	ABNT NBR 14725-4: 2014 ANTT - National Land Transportation Agency

Indicates information that has changed from previously issued version.

Disclaimer

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