SAFETY DATA SHEET



Date of issue 10 April 2024

Version 7.01

Section 1. Product and company identification

Product name
Product code
Other means of identification
Product type

- : SIGMAGUARD 603 HARDENER
- : 267449L.10
- : 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 2 ACUTE TOXICITY (oral) - Category 4
	ACUTE TOXICITY (dermal) - Category 3
	ACUTE TOXICITY (inhalation) - Category 3
	SKIN CORROSION - Category 1A
	SERIOUS EYE DAMAGE - Category 1
	SKIN SENSITIZATION - Category 1
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	ASPIRATION HAZARD - Category 2
	AQUATIC HAZARD (LONG-TERM) - Category 2
Target organs	 Contains material which causes damage to the following organs: blood, liver, heart, brain.
	Contains material which may cause damage to the following organs: kidneys, the nervous system, peripheral nervous system, upper respiratory tract, skin, eyes, adrenal, central nervous system (CNS).

English (US) Brazil	
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	RD 603 HARDENER			
Section 2. Hazards	s identification			
	Percentage of the mixture consist toxicity: 6.1%	sting of ingredient(s) of ur	nknown acute in	halation
	Percentage of the mixture consis aquatic environment: 21.1%	sting of ingredient(s) of ur	nknown hazards	to the
GHS label elements				
Hazard pictograms				
Signal word	: Danger	·	•	
Hazard statements	 Highly flammable liquid and vapor Harmful if swallowed. May be harmful if swallowed and Toxic in contact with skin or if inf Causes severe skin burns and et May cause an allergic skin reacti May cause damage to organs the Toxic to aquatic life with long last 	l enters airways. naled. ye damage. on. rough prolonged or repea	ated exposure.	
Precautionary statements				
Prevention	: Wear protective gloves, protective from heat, hot surfaces, sparks, smoking. Use explosion-proof e sparking tools. Take action to pr closed. Avoid release to the env or smoke when using this produc	open flames and other ig lectrical, ventilating or ligl revent static discharges. ironment. Do not breath	nition sources. I hting equipment Keep container e vapor. Do not	No . Use non- tightly
Response	: Collect spillage. IF INHALED: Re breathing. Immediately call a PO Immediately call a POISON CEN vomiting. IF ON SKIN (or hair): Rinse skin with water. Immediat contaminated clothing before reu doctor if you feel unwell. Wash w Get medical advice or attention. minutes. Remove contact lenses Immediately call a POISON CEN	DISON CENTER or docto ITER or doctor. Rinse m Take off immediately all c ely call a POISON CENT ise. IF ON SKIN: Call a f with plenty of water. If sk IF IN EYES: Rinse cautio s, if present and easy to d	or. IF SWALLOV outh. Do NOT ir contaminated clo ER or doctor. V POISON CENTE in irritation or ra- ously with water	VED: nduce othing. Vash ER or sh occurs: for several
Storage	: Store in a well-ventilated place.	Keep cool.		
Disposal	: Dispose of contents and containe and international regulations.	er in accordance with all l	local, regional, r	ational
Other hazards which do not result in classification	: Prolonged or repeated contact m	ay dry skin and cause irr	itation.	

Section 3. Composition/information on ingredients

Substance/mixture Other means of identification

: Mixture

: Not available.

CAS number/other identifiers

CAS	number	
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: Not applicable.

Ingredient name	%	CAS number
2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)	60 - 100	6864-37-5
benzyl alcohol	15 - <20	100-51-6
butanone	5 - <7	78-93-3
2,4,6-tris(dimethylaminomethyl)phenol	3 - <5	90-72-2
N-(3-(trimethoxysilyl)propyl)ethylenediamine	2 - <3	1760-24-3

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	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.	
Inhalation	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing 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 ar water or use recognized skin cleanser. Do NOT use solvents or thinners.	nd
Ingestion	If swallowed, seek medical advice immediately and show this container or lab Keep person warm and at rest. Do NOT induce vomiting.	el.
Indication of immediate me	attention and special treatment needed, if necessary	
Notes to physician	In case of inhalation of decomposition products in a fire, symptoms may be de	elaved.
Specific treatments	The exposed person may need to be kept under medical surveillance for 48 h No specific treatment.	
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training is suspected that fumes are still present, the rescuer should wear an appropria mask or self-contained breathing apparatus. It may be dangerous to the perso providing aid to give mouth-to-mouth resuscitation. Wash contaminated cloth thoroughly with water before removing it, or wear gloves.	ate on
Potential acute health effec		
Eye contact	Causes serious eye damage.	
Inhalation	Toxic if inhaled.	
Skin contact	Causes severe burns. Toxic in contact with skin. Defatting to the skin. May of an allergic skin reaction.	cause
Ingestion	Harmful if swallowed. May be harmful if swallowed and enters airways.	

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Product na	ame SIGMAGUARD 603 HARDE	NER		
Section	on 4. First aid measu	ires		

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	: 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 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 Formaldehyde.
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

contractor.

Personal precautions, protect	ive 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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions :	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and materials for 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

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.

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. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. 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	:	Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits	
butanone	Ministry of Labor and Employment (Brazil, 11/2001). TWA: 460 mg/m ³ 8 hours. TWA: 155 ppm 8 hours.	
procedures na	: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.	

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ire controls/personal protection
 Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. 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.
<u>res</u>
: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
: Chemical splash goggles and face shield.
: 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.
: nitrile neoprene
: 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.
: 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.

Appearance				
Physical state	: Liquid.			
Color	: Not available.			
Odor	: Not available.			
рН	Not applicable.			
Melting point	: Not available.			
Boiling point	: >37.78°C (>100°F)			
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Section 9. Physica	11 8	and chemic	ai propert	les	
Flash point	1	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	:	0.96			
Solubility/icc)		Media	Result		
Solubility(ies)	1	old water	Not solu	uble	
Partition coefficient: n- octanol/water	:	Not applicable.			
Auto-ignition temperature	:	Not available.			
Decomposition temperature	:	Not available.			
Viscosity	:	Kinematic (40°C (1	04°F)): <14 mm ²	²/s (<14 cSt)	

Section 10. Stability and reactivity

Viscosity

: 30 - <40 s (ISO 6mm)

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials carbon oxides nitrogen oxides Formaldehyde. metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects Acute toxicity

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Section 11. Toxicological information

			:	
Product/ingredient name	Result	Species	Dose	Exposure
2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)	LC50 Inhalation Dusts and mists	Rat	420 mg/m³	4 hours
	LD50 Dermal LD50 Oral	Rabbit Rat	>0.2 g/kg >0.32 g/kg	-
benzyl alcohol	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral	Rat Rabbit Rat	>4178 mg/m ³ 2000 mg/kg 1.23 g/kg	4 hours - -
butanone	LD50 Dermal LD50 Oral	Rabbit Rat	6480 mg/kg 2737 mg/kg	-
2,4,6-tris (dimethylaminomethyl) phenol	LD50 Dermal	Rabbit	1.28 g/kg	-
	LD50 Dermal LD50 Oral	Rat Rat	1280 mg/kg 1200 mg/kg	-
N-(3-(trimethoxysilyl)propyl) ethylenediamine	LD50 Dermal	Rabbit	>2000 mg/kg	-
-	LD50 Oral	Rat	2413 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,4,6-tris (dimethylaminomethyl) phenol	Skin - Visible necrosis	Rabbit	-	4 hours	7 days
Conclusion/Summary Skin Eyes Respiratory Sensitization Not available.	 There are no data avail There are no data avail There are no data avail 	able on the mi	xture itself.		
Conclusion/Summary Skin Respiratory <u>Mutagenicity</u> Not available.	: There are no data avail : There are no data avail				
Conclusion/Summary Carcinogenicity Not available.	: There are no data avail	able on the mi	xture itself.		
Conclusion/Summary <u>Reproductive toxicity</u> Not available.	: There are no data avail	able on the mi	xture itself.		
Conclusion/Summary <u>Teratogenicity</u> Not available.	: There are no data avail	able on the mi	xture itself.		

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Section 11. Toxicological information

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

Specific target organ toxicity (single exposure)

Name		Route of exposure	Target organs
Dutanone N-(3-(trimethoxysilyl)propyl)ethylenediamine	Category 3 Category 3	-	Narcotic effects Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)	Category 2	-	-

Target organs: Contains material which causes damage to the following organs: blood, liver, heart,
brain.
Contains material which may cause damage to the following organs: kidneys, the
nervous system, peripheral nervous system, upper respiratory tract, skin, eyes,
adrenal, central nervous system (CNS).

Aspiration hazard

Name	Result	
	ASPIRATION HAZARD - Category 2 ASPIRATION HAZARD - Category 2	

Information on the likely routes of exposure	: Not available.
Potential acute health effects	
Eye contact	: Causes serious eye damage.
Inhalation	: Toxic if inhaled.
Skin contact	: Causes severe burns. Toxic in contact with skin. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed. May be harmful if swallowed and enters airways.
Symptoms related to the phy Eye contact	 sical, chemical and toxicological characteristics Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur

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Section 11. Toxicological information

Ingestion	: Adverse symptoms may include the following: stomach pains
	nausea or vomiting

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. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. 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.
<u>Short term exposure</u>		
Potential immediate effects	:	There are no data available on the mixture itself.
Potential delayed effects Long term exposure	1	There are no data available on the mixture itself.
Potential immediate effects	:	There are no data available on the mixture itself.
Potential delayed effects	:	There are no data available on the mixture itself.
Potential chronic health eff	ect	<u>'S</u>
Not available.		
General	:	May cause damage to organs through prolonged or repeated exposure. 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	1	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	No known significant effects or critical hazards.
Numerical measures of toxic	<u>ity:</u>	

Acute toxicity estimates

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Section 11. Toxicological info	ormation				
Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
SIGMAGUARD 603 HARDENER 2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine) benzyl alcohol butanone 2,4,6-tris(dimethylaminomethyl)phenol N-(3-(trimethoxysilyl)propyl)ethylenediamine	619.6 500 1230 2737 1200 2413	400.9 300 2000 6480 1280 2500	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	0.65 0.5 1.5 N/A N/A N/A

Other information

: Not available.

Section 12. Ecological information

Ecotoxicity

Product/ingredient name	Result	Species	Exposure
2,4,6-tris (dimethylaminomethyl)phenol	Acute LC50 175 mg/l	Fish	96 hours
	EC50 597 mg/l	Fish	96 hours

Persistence/degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
benzyl alcohol	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine)	1.8	-	Low
benzyl alcohol	0.87	-	Low
butanone	0.3	-	Low
2,4,6-tris (dimethylaminomethyl)pheno	0.219 I	-	Low

Mobility in soil

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

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	IATA
UN number	UN3286	UN3286	UN3286
UN proper shipping name	LÍQUIDO INFLAMÁVEL, TÓXICO, CORROSIVO, N.E. (butanone, 2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine))	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (butanone, 2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine))	 Flammable liquid, toxic, corrosive, n.o.s. (butanone, 2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine))
Transport hazard class(es)	3 (6.1, 8)	3 (6.1, 8)	3 (6.1, 8)
Packing group	II	II	II
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(2,2'-dimethyl-4,4'- methylenebis (cyclohexylamine))	Not applicable.

Additional information

Brazil	: None identified.
Risk number	: 368
IMDG	: The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg.
IATA	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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Section 14. Transport information

Transport in bulk according : Not applicable. to IMO instruments

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

Date of previous issue: 11/9/20Version: 7.01Prepared by: EHSKoute abbraviations: ADN =	European Provisions concerning the International Carriage of Dangerous by Inland Waterway
Prepared by : EHS	by Inland Waterway
	by Inland Waterway
Koute charge interesting ADN -	by Inland Waterway
Goods ADR = Danger ATE = BCF = GHS = IATA = IMDG = LogPov MARP(1973 as RID = 1 by Rail	The European Agreement concerning the International Carriage of ous Goods by Road Acute Toxicity Estimate Bioconcentration Factor Globally Harmonized System of Classification and Labelling of Chemicals International Air Transport Association International Maritime Dangerous Goods <i>y</i> = logarithm of the octanol/water partition coefficient DL = International Convention for the Prevention of Pollution From Ships, modified by the Protocol of 1978. ("Marpol" = marine pollution) 'he Regulations concerning the International Carriage of Dangerous Goods
	IBR 14725-4: 2014 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.