# **SAFETY DATA SHEET**



Date of issue 17 April 2024

Version 2.06

### Section 1. Product and company identification

Product name Product code Other means of identification Product type

- : SIGMAPRIME 200 HARDENER
- : 000001015182
- : 00202389; 00254137; 00326824; 00467284
- : 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 Industries Uruguay SA Av. Italia 5846 esq. Ancona – Montevideo Uruguay Tel. +598 26000514 Fax. +598 26003032
Email address:	: HazComLatam@ppg.com
Emergency telephone number	: Hospital de Clinicas- CIAT- 1722

## Section 2. Hazards identification

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 5 ACUTE TOXICITY (dermal) - Category 5 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tra- irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects Category 3 AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 3	
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Section 2. Hazard	s identification
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.
	Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 43.5%
	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 43.5% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation
	toxicity: 47%
	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 21.8%
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>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 damage. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.</li> </ul>
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. Immediately call a POISON CENTER or doctor.
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.

Code	00000101	5182	Date of issue	17 April 2024	Version	2.06
Product nam	le	SIGMAPRIME 200 HARDENER				

### Section 2. Hazards identification

Other hazards which do not<br/>result in classification: Causes digestive tract burns. Prolonged or repeated contact may dry skin and<br/>cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture	4	Mixture
Other means of identification	:	0202389; 00254137; 00326824; 00467284

#### CAS number/other identifiers

<b>CAS number</b> : Not applicable.		
Ingredient name	%	CAS number
∕∠methylpropan-1-ol	20 - <30	78-83-1
xylene	20 - <30	1330-20-7
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	20 - <30	68410-23-1
ethylbenzene	3 - <5	100-41-4
2,4,6-tris(dimethylaminomethyl)phenol	2 - <3	90-72-2
3,6-diazaoctanethylenediamin	1 - <2	112-24-3

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

<b>Description of necessary first</b>	at aid measures
Eye contact	<ul> <li>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.</li> </ul>
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 med	ical attention and special treatment needed, if necessary
Notes to physician Specific treatments	<ul> <li>In case of inhalation of decomposition products in a fire, symptoms may be delayed.</li> <li>The exposed person may need to be kept under medical surveillance for 48 hours. No specific treatment.</li> </ul>
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	

English (US)

Uruguay

Code	0000010 <sup>-</sup>	15182	Date of issue	17 April 2024	Version	2.06
Product nam	ne	SIGMAPRIME 200 HARDENER				

# Section 4. First aid measures

Eye contact	: Causes serious eye damage.
Inhalation	<ul> <li>Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.</li> </ul>
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. Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression.

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	: 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. 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 nitrogen 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, protective equipment and emergency procedures

For non-emergency personnel		No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition source No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provi adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	es. ide	
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.		
		English (US) Uruguay	4/1	

Date of issue

#### 2.06

### Section 6. Accidental release measures

#### Methods and materials for containment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non- combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

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

# Section 8. Exposure controls/personal protection

Ingredient name		Exposure limits				
✓methylpropan-1-ol xylene ethylbenzene		<ul> <li>Ministry of Labor and Employment (Brazil, 11/2001).</li> <li>TWA: 115 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 40 ppm 8 hours.</li> <li>Ministry of Labor and Employment (Brazil, 11/2001). [Xylenes (o-, m-, p- isomers)]</li> <li>TWA: 340 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 78 ppm 8 hours.</li> <li>Ministry of Labor and Employment (Brazil, 11/2001).</li> <li>TWA: 340 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 340 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 340 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 78 ppm 8 hours.</li> </ul>				
Recommended monitoring procedures		appropriate monitoring standards. Reference to for methods for the determination of hazardous ed.				
Appropriate engineering controls	ventilation or other engineering contaminants below any recom	tion. Use process enclosures, local exhaust g controls to keep worker exposure to airborne mended or statutory limits. The engineering controls or dust concentrations below any lower explosive ntilation equipment.				
Environmental exposure controls	: Emissions from ventilation or v they comply with the requirement cases, fume scrubbers, filters	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 us Appropriate techniques should Contaminated work clothing sh	ce thoroughly after handling chemical products, ing the lavatory and at the end of the working period. be used to remove potentially contaminated clothing. hould not be allowed out of the workplace. Wash eusing. Ensure that eyewash stations and safety station location.				
Eye protection	: Chemical splash goggles and	face shield.				
<u>Skin protection</u> Hand protection	be worn at all times when hand this is necessary. Considering check during use that the glove should be noted that the time t different for different glove man	s gloves complying with an approved standard should dling chemical products if a risk assessment indicates the parameters specified by the glove manufacturer, es are still retaining their protective properties. It o breakthrough for any glove material may be nufacturers. In the case of mixtures, consisting of stion time of the gloves cannot be accurately				
Gloves	: butyl rubber					
Body protection	being performed and the risks before handling this product. N wear anti-static protective cloth	for the body should be selected based on the task involved and should be approved by a specialist When there is a risk of ignition from static electricity, hing. For the greatest protection from static clude anti-static overalls, boots and gloves.				

Code000001015182Product nameSIG	MAPRIME 200 HARDENER	Date of issue	17 April 2024	Version	2.06
Section 8. Exp	osure contro	ls/personal p	protection		
Other skin protectio	selected bas		ditional skin protection m performed and the risks andling this product.		
Respiratory protectio	hazards of t workers are appropriate,	he product and the sa exposed to concentra certified respirators.	ed on known or anticipat ife working limits of the s ations above the exposu Use a properly fitted, air oved standard if a risk a	selected respirat re limit, they mu r-purifying or air-	or. If st use fed

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

<u>Appearance</u>			
Physical state	1	Liquid.	
Color	1	Yellow.	
Odor	1	Amine-like.	
рН	1	Not applicable.	
Melting point	:	Not available.	
Boiling point	:	>37.78°C (>100°F)	
Flash point	:	Closed cup: 25°C (77°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	:	0.95	
Solubility(ies)		Media F	Result
oolubility(les)	1	cold water	Not soluble
Partition coefficient: n- octanol/water	:	Not applicable.	
Auto-ignition temperature	:	430°C (806°F)	
<b>Decomposition temperature</b>	:	Not available.	
Viscosity	:	Kinematic (room temperatur Kinematic (40°C (104°F)): >2	
Viscosity	:	60 - 100 s (ISO 6mm)	

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.

Code 000001015182		Date of issue	17 April 2024	Version	2.06		
	Product nam	ne	SIGMAPRIME 200 HARDENER				

### Section 10. Stability and reactivity

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

### Section 11. Toxicological information

#### Information on toxicological effects

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Product/ingredient name	Result	Species	Dose	Exposure
∠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	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 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	-
2,4,6-tris	LD50 Dermal	Rabbit	1.28 g/kg	-
(dimethylaminomethyl)				
phenol				
	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
	LD50 Oral	Rat	1716 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene 2,4,6-tris (dimethylaminomethyl) phenol	Skin - Moderate irritant Skin - Visible necrosis	Rabbit Rabbit	-	24 hours 500 mg 4 hours	- 7 days

Conclusion/Summary

Skin Eyes : There are no data available on the mixture itself.

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

#### **Sensitization**

Respiratory

Product/ingredient name	Route of exposure	Species	Result
Atty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	skin	Mouse	Sensitizing
3,6-diazaoctanethylenediamin		Guinea pig	Sensitizing

**Conclusion/Summary** 

English (US)	Uruguay	
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8/14

Code 000001	015182	Date of issue	17 April 2024	Version	2.06
Product name	SIGMAPRIME 200 HARDENER				
Section 11	. Toxicological inf	ormation			
Skin	: There are no d	lata available on the	e mixture itself.		
Respiratory	: There are no d	lata available on the	e mixture itself.		
<b>Mutagenicity</b>					
Not available.					

<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
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#### **Carcinogenicity**

Not available.

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

Product/ingredient name	OSHA	IARC	NTP
<mark>i≪</mark> ylene ethylbenzene	-	3 2B	

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

#### Reproductive toxicity

Not available.

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

#### Teratogenicity

Not available.

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

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

Name	Category	Route of exposure	Target organs
2-methylpropan-1-ol xylene	Category 3 Category 3 Category 3	-	Respiratory tract irritation Narcotic effects Respiratory tract
			irritation

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

#### Aspiration hazard

English (US)	Uruguay	
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Code	00000101	15182	Date of issue	17 April 2024	Version	2.06
Product nam	ne	SIGMAPRIME 200 HARDENER				

# Section 11. Toxicological information

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

Information on the likely routes of exposure Potential acute health effect	: Not available.
Eye contact	: Causes serious eye damage.
Inhalation	<ul> <li>Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.</li> </ul>
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. Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression.
Symptoms related to the p	nysical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
Delayed and immediate eff	ects 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.
	English (US) Uruguay 10/14

# Section 11. Toxicological information

		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	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.
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)
SIGMAPRIME 200 HARDENER	3079.4	2115.7	N/A	22.9	2.9
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
xylene	4300	1700	N/A	11	1.5
ethylbenzene	3500	17800	N/A	17.8	1.5
2,4,6-tris(dimethylaminomethyl)phenol	1200	1280	N/A	N/A	N/A
3,6-diazaoctanethylenediamin	1716	1465	N/A	N/A	N/A

#### Other information

: Not available.

# Section 12. Ecological information

### **Ecotoxicity**

English (US)

Uruguay

### Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
P-methylpropan-1-ol Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	Acute EC50 1100 mg/l EC50 4.11 mg/l Fresh water	Daphnia Algae	48 hours 72 hours
ethylbenzene 2,4,6-tris (dimethylaminomethyl)phenol	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water Acute LC50 175 mg/l	Daphnia Daphnia - <i>Ceriodaphnia dubia</i> Fish	48 hours - 96 hours

#### Persistence/degradability

Product/ingredient name	Test	Result		Dose		Inoculum
Atty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ethylbenzene	-	15 % - 28 c	lays dily - 10 days	-		-
,		10 /0 - 1104				
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
<b>x</b> ylene	-		-		Readily	/
Fatty acids, C18-unsatd.,	-		-		Not rea	adily
dimers, reaction products						
with polyethylenepolyamines						
ethylbenzene	-		-		Readily	/

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
-methylpropan-1-ol	1	-	Low
xylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low
2,4,6-tris	0.219	-	Low
(dimethylaminomethyl)phenol			
3,6-diazaoctanethylenediamin		-	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.<br/>Disposal of this product, solutions and any by-products should at all times comply<br/>with the requirements of environmental protection and waste disposal legislation<br/>and any regional local authority requirements. Dispose of surplus and non-<br/>recyclable products via a licensed waste disposal contractor. Waste should not be<br/>disposed of untreated to the sewer unless fully compliant with the requirements of<br/>all authorities with jurisdiction. Waste packaging should be recycled. Incineration<br/>or landfill should only be considered when recycling is not feasible. This material<br/>and its container must be disposed of in a safe way. Care should be taken when

English (US) Uruguay 12/1		English (US)	Uruguay	12/14
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### Section 13. Disposal considerations

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 RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
Transport hazard class(es)	3	3	3	3
Packing group	III	III	III	III
Environmental hazards	No.	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

UN	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.1.
Brazil	: None identified.
<b>Risk number</b>	: 30
IMDG	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.
IATA	: None identified.

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.

Transport in bulk according : Not applicable. to IMO instruments

# Section 15. Regulatory information

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

English (US) Ur	uguay
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Date of issue

17 April 2024

#### 2.06

### Section 16. Other information

<u>History</u>	
Date of previous issue	: 12/13/2022
Version	: <b>2.06</b> EHS
Key to abbreviations	<ul> <li>ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway</li> <li>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road</li> <li>ATE = Acute Toxicity Estimate</li> <li>BCF = Bioconcentration Factor</li> <li>GHS = Globally Harmonized System of Classification and Labelling of Chemicals</li> <li>IATA = International Air Transport Association</li> <li>IMDG = International Maritime Dangerous Goods</li> <li>LogPow = logarithm of the octanol/water partition coefficient</li> <li>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)</li> <li>RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail</li> <li>UN = United Nations</li> </ul>
References	: ABNT NBR 14725-4: 2014 ANTT - National Land Transportation Agency

Indicates information that has changed from previously issued version.

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