# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 23 October 2023

Version

: 1.02





## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: SIGMAZINC 68 GP HARDENER
Product code	: 000001191884
Other means of identifica	tion
00463749; 00474754	
1.2 Relevant identified uses	s of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.

#### 1.3 Details of the supplier of the safety data sheet

PPG Côte d'Ivoire 15 BP 396, Abidjan 15 Cote D'Ivoire Tel: 00225 21 75 04 10 Fax: 00225 21 27 16 28

**1.4 Emergency telephone** : ORFILA (INRS) 0033 (0)1 45 42 59 59 / 00225 21 75 04 10 number

## **SECTION 2: Hazards identification**

 2.1 Classification of the substance or mixture

 Product definition
 : Mixture

 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

 Flam. Lig. 3, H226

Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 3, H412 The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Hazard pictograms : Signal word : Danger

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## **SECTION 2: Hazards identification**

SECTION 2: Hazarus	Identification
Hazard statements	<ul> <li>Flammable liquid and vapour.</li> <li>Causes severe skin burns and eye damage.</li> <li>May cause an allergic skin reaction.</li> <li>May cause respiratory irritation.</li> <li>Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	: 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.
Response	<ul> <li>IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor.</li> </ul>
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P304 + P310, P301 + P310, P403 + P233, P501</li> </ul>
Hazardous ingredients	<ul> <li>Poxy Amine Resin xylene</li> <li>Propylidynetrimethanol, propoxylated, reaction products with ammonia m-phenylenebis(methylamine)</li> <li>2,4,6-tris(dimethylaminomethyl)phenol</li> </ul>
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	nents
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

## **SECTION 3: Composition/information on ingredients**

3.2 Mixtures

: Mixture

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## **SECTION 3: Composition/information on ingredients**

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
₽́poxy Amine Resin	CAS: SUB123903	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317	-	[1]
xylene	EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥10 - ≤15	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
Propylidynetrimethanol, propoxylated, reaction products with ammonia	REACH #: 01-2119556886-20 EC: 500-105-6 CAS: 39423-51-3	≥10 - ≤15	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318 Aquatic Chronic 2, H411	ATE [Oral] = 500 mg/ kg ATE [Dermal] = 1100 mg/kg	[1]
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥5.0 - ≤10	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319	ATE [Oral] = 1230 mg/ kg ATE [Inhalation (dusts and mists)] = 1.5 mg/l	[1] [2]
o-xylene	REACH #: 01-2119485822-30 EC: 202-422-2 CAS: 95-47-6 Index: 601-022-00-9	≥5.0 - ≤9.3	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥1.0 - ≤4.3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤5.0	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
m-phenylenebis (methylamine)	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0	≥1.0 - ≤4.0	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317	ATE [Oral] = 930 mg/ kg ATE [Inhalation (gases)] = 4500 ppm	[1] [2]
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## **SECTION 3: Composition/information on ingredients**

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		Aquatic Chronic 3, H412 EUH071		
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2 Index: 603-069-00-0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318	ATE [Oral] = 1200 mg/ kg ATE [Dermal] = 1280 mg/kg	[1]
		See Section 16 for the full text of the H statements declared above.		

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SUB codes represent substances without registered CAS Numbers.

## **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

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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 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 recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	:	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
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.

#### 4.2 Most important symptoms and effects, both acute and delayed

Potential acute health	<u>effects</u>
Eye contact	: Causes serious eye damage.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/</u>	symptoms
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing

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SECTION 4: First aid	measures
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
4.3 Indication of any immedia	ate medical attention and special treatment needed
Notes to physician	<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.</li> </ul>
Specific treatments	: No specific treatment.
SECTION 5: Firefight	ing measures
5.1 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.
5.2 Special hazards arising fi	rom the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. 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 combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides
5.3 Advice for firefighters	
Special precautions 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to Europear standard EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	tective 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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised 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".

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## **SECTION 6: Accidental release measures**

SEO HON U. Accidental release measures					
6.2 Environmental precautions	: Avoid dispersal of spilt 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.				
6.3 Methods and material for	r 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 the 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.				
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.				

## **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

Protective measures	: 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 vapour 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.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 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 oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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## **SECTION 7: Handling and storage**

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

## **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient	name		Exposure limit values	
xylene		Absorbed through sk STEL: 442 mg/m <sup>3</sup> 15 STEL: 100 ppm 15 m TWA: 221 mg/m <sup>3</sup> 8 h	minutes. inutes. ours.	oure]
1-methoxy-2-propanol		TWA: 50 ppm 8 hour <b>EU OEL (Europe, 1/20</b> STEL: 568 mg/m <sup>3</sup> 15 STEL: 150 ppm 15 m TWA: 375 mg/m <sup>3</sup> 8 h TWA: 100 ppm 8 hou	<b>022). Absorbed through skin.</b> minutes. iinutes. ours.	
benzyl alcohol		<b>IPEL (-).</b> TWA: 5 ppm STEL: 10 ppm		
o-xylene			inutes. ours.	
2-methylpropan-1-ol		ACGIH TLV (United S TWA: 152 mg/m <sup>3</sup> 8 h TWA: 50 ppm 8 hour	o <b>tates, 1/2022).</b> ours.	
ethylbenzene			<b>022). Absorbed through skin.</b> minutes. iinutes. ours.	
m-phenylenebis(methylamine)			itates, 1/2022). Absorbed throu	ugh skin.
Recommended monitoring : procedures	Standard EN 689 by inhalation to c strategy) Europe application and u biological agents requirements for agents) Referen	<ul> <li>Workplace atmosphere</li> <li>Hemical agents for company</li> <li>Standard EN 14042</li> <li>Se of procedures for the</li> <li>European Standard E</li> <li>the performance of procedures</li> </ul>	g standards, such as the followin res - Guidance for the assessme parison with limit values and me (Workplace atmospheres - Guide assessment of exposure to ch N 482 (Workplace atmospheres cedures for the measurement of documents for methods for the puired.	ent of exposure easurement de for the emical and s - General f chemical
.2 Exposure controls				
Appropriate engineering : controls	other engineering recommended o	g controls to keep worke r statutory limits. The er oncentrations below any	process enclosures, local exha er exposure to airborne contamin ngineering controls also need to v lower explosive limits. Use exp	nants below any keep gas,
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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)	)
2020/878	

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Individual protection measure	
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/face protection Skin protection	: Chemical splash goggles and face shield.
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. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Gloves	nitrile neoprene
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. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
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.
<b>Respiratory protection</b>	:
Environmental exposure controls	: 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.

## **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>			
Physical state	: Liquid.		
Colour	: 🗭		
Odour	: Amine-like. [Strong]		
Odour threshold	: Not available.		
Melting point/freezing point	: May start to solidify at the following tem data for the following ingredient: m-phe -62.26°C (-80.1°F)		
Initial boiling point and boiling range	: >37.78°C		
Flammability	: Not available.		
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.48%	Upper: 13.74% (1-methoxy-2-pro	vpanol)
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SECTION 9: Physical a	nd	chemical prop	oerties					
Flash point	:	Closed cup: 33°C						
Auto-ignition temperature	1	Ingredient name		°C	°F		Method	
		1-methoxy-2-propanol		270	518			
Decomposition temperature	:	Stable under recomn	nended st	orage a	nd handling co	nditions	s (see Sec	tion 7).
рН	1	Not applicable. insolu	uble in wa	ter.				
Viscosity	1	Kinematic (40°C): >2	21 mm²/s					
Viscosity	:	60 - 100 s (ISO 6mm	ı)					
Solubility(ies)	1							
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octano water	I/ :	Not applicable.						
Vapour pressure	:		Vapour Pressure at 20°C		Vap	our press	sure at 50°C	
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		2-methylpropan-1-ol	<12	<1.6	DIN EN 13016-2			
Evaporation rate	:	Highest known value butyl acetate	: 0.84 (etł	lylbenze	ene) Weighted	l averag	je: 0.63coi	mpared with
Relative density	1	0.96						
Vapour density		Highest known value	•	, ,			-	. ,
Explosive properties	:	The product itself is r vapour or dust with a			the formation	of an ex	plosible m	nixture of
Oxidising properties	1	Product does not pre	sent an o	xidizing	hazard.			
article characteristics								

9.2 Other information

No additional information.

## **SECTION 10: Stability and reactivity**

	English (GB)	Ivory Coast 9/16				
10.6 Hazardous decomposition products	: Depending on conditions, decomposition carbon oxides nitrogen oxides	on products may include the following materials:				
10.5 Incompatible materials	: Keep away from the following materials oxidising agents, strong alkalis, strong a					
10.4 Conditions to avoid	: When exposed to high temperatures m Refer to protective measures listed in s	ay produce hazardous decomposition products. ections 7 and 8.				
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and	Under normal conditions of storage and use, hazardous reactions will not occur.				
10.2 Chemical stability	: The product is stable.					
10.1 Reactivity	: No specific test data related to reactivity	No specific test data related to reactivity available for this product or its ingredients.				

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**SECTION 11: Toxicological information** 

### 11.1 Information on toxicological effects

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
1-methoxy-2-propanol	LC50 Inhalation Vapour	Rat	>7000 ppm	6 hours
	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	5.2 g/kg	-
Propylidynetrimethanol, propoxylated, reaction products with ammonia	LD50 Dermal	Rabbit	0.4 g/kg	-
	LD50 Oral	Rat	0.22 g/kg	-
benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	>4178 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1.23 g/kg	-
o-xylene	LC50 Inhalation Vapour	Rat	27124 mg/m <sup>3</sup>	4 hours
-	LD50 Dermal	Rabbit	12126 mg/kg	-
	LD50 Oral	Rat	3523 mg/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
m-phenylenebis(methylamine)	LC50 Inhalation Gas.	Rat	700 ppm	1 hours
	LD50 Dermal	Rat - Male,	>3100 mg/kg	-
		Female		
	LD50 Oral	Rat	930 mg/kg	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rabbit	1.28 g/kg	-
	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-

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

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene m-phenylenebis(methylamine) 2,4,6-tris(dimethylaminomethyl)phenol	Skin - Severe irritant	Rabbit Rat Rabbit	-	24 hours 500 mg 4 hours 4 hours	- 4 hours 7 days

**Conclusion/Summary** 

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

#### Sensitisation

Product/ingr	edient name	Route of exposure	Species	Result
m-phenylenebis(methylami	ne)	skin	Mouse	Sensitising
Conclusion/Summary			-	
Skin	: There are no data available on the mixture itself.			
Respiratory	: There are no data available on the mixture itself.			
Mutagenicity				
Conclusion/Summary Carcinogenicity	: There are no data avai	lable on the mixture	e itself.	
carcinogenicity				

English (GB)

**Ivory Coast** 

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#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Date of issue/Date of revision Code : 000001191884 : 23 October 2023 SIGMAZINC 68 GP HARDENER SECTION 11: Toxicological information **Conclusion/Summary** : There are no data available on the mixture itself. **Reproductive toxicity** : There are no data available on the mixture itself. **Conclusion/Summary Teratogenicity Conclusion/Summary** : There are no data available on the mixture itself. Specific target organ toxicity (single exposure) **Product/ingredient name** Category **Route of Target organs** exposure xylene Category 3 Respiratory tract irritation Category 3 Narcotic effects 1-methoxy-2-propanol Category 3 Respiratory tract irritation o-xylene \_ 2-methylpropan-1-ol Category 3 Respiratory tract irritation Category 3 Narcotic effects Specific target organ toxicity (repeated exposure) **Product/ingredient name Target organs** Category **Route of** exposure ethylbenzene Category 2 hearing organs Aspiration hazard **Product/ingredient name** Result xylene **ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1** o-xylene ethylbenzene **ASPIRATION HAZARD - Category 1** Information on likely : Not available. routes of exposure Potential acute health effects Inhalation : May cause respiratory irritation. : No known significant effects or critical hazards. Ingestion Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Eye contact : Causes serious eye damage. Symptoms related to the physical, chemical and toxicological characteristics Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Ingestion : Adverse symptoms may include the following: stomach pains Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking

 Eye contact
 : Adverse symptoms may include the following:<br/>pain<br/>watering<br/>redness

 Delayed and immediate effects as well as chronic effects from short and long-term exposure

 Short term exposure<br/>Potential immediate

 Potential immediate

 : Not available.<br/>effects

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## **SECTION 11: Toxicological information**

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Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>cts</u>
Not available.	
<b>Conclusion/Summary</b>	: 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	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

#### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** 

Not available.

11.2.2 Other information

Not available.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l	Fish	96 hours
	Fresh water		
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 175 mg/l	Fish	96 hours

Conclusion/Summary

: There are no data available on the mixture itself.

#### 12.2 Persistence and degradability

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

**Conclusion/Summary** 

: There are no data available on the mixture itself.

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## **SECTION 12: Ecological information**

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

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
1-methoxy-2-propanol	<1	-	Low
Propylidynetrimethanol, propoxylated, reaction products with ammonia	-1.13	-	Low
benzyl alcohol	0.87	-	Low
o-xylene	3.12	14.13	Low
2-methylpropan-1-ol	1	-	Low
ethylbenzene	3.6	79.43	Low
m-phenylenebis(methylamine)	0.18	2.69	Low
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low

#### 12.4 Mobility in soil

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

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

### SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised 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 non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	Yes.

**Hazardous waste** 

#### European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

English (GB)

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## **SECTION 13: Disposal considerations**

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)		
Container	15 01 06	mixed packaging	
Special precautions	taken when l Empty conta residues ma Do not cut, v	I and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. iners or liners may retain some product residues. Vapour from product y create a highly flammable or explosive atmosphere inside the container. veld or grind used containers unless they have been cleaned thoroughly void dispersal of spilt material and runoff and contact with soil, waterways, ewers.	

## **SECTION 14: Transport information**

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	UN3469	UN3469	UN3469
14.2 UN proper shipping name	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE
14.3 Transport hazard class(es)	3 (8)	3 (8)	3 (8)
14.4 Packing group	111	111	111
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

ADR/RID Tunnel code	: None identified. : (D/E)
IMDG	None identified.
ΙΑΤΑ	: None identified.

**14.6 Special precautions for : 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.

14.7 Transport in bulk according to IMO instruments

: Not applicable.

Date of issue/Date of revision Code : 000001191884 : 23 October 2023 SIGMAZINC 68 GP HARDENER SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation **Annex XIV** None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other national and international regulations.

#### Ozone depleting substances (1005/2009/EU)

Not listed.

**15.2 Chemical safety** 

: No Chemical Safety Assessment has been carried out.

assessment

### SECTION 16: Other information

Indicates information that has changed from previously issued version. Abbreviations and : ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. acronyms 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number Full text of abbreviated H : H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. statements H302 Harmful if swallowed. May be fatal if swallowed and enters airways. H304 H312 Harmful in contact with skin. Causes severe skin burns and eye damage. H314 H315 Causes skin irritation. May cause an allergic skin reaction. H317 H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. May cause respiratory irritation. H335 H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH071 Corrosive to the respiratory tract. ACUTE TOXICITY - Category 4 Full text of classifications : Acute Tox. 4 Aquatic Chronic 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 [CLP/GHS] Aquatic Chronic 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 Asp. Tox. 1 Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Flam. Liq. 2 FLAMMABLE LIQUIDS - Category 2 Flam. Liq. 3 FLAMMABLE LIQUIDS - Category 3 English (GB) Ivory Coast 15/16

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)	
2020/878	

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SECTION 16: Other	rinformation		
	Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1B STOT RE 2 STOT SE 3	SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY - REPEA EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
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