# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 1 February 2024

Version

: 17.06

Suriname



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

1.1 Product identifier	
Product name	: SIGMAZINC 158 BINDER
Product code	: 00142716

#### Other means of identification

Not available.

number

#### **1.2 Relevant identified uses 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**

Varossieau Suriname NV, Mastanaweg 4, Paramaribo, SURINAME Tel: 00597 484447 Fax: 00597 483785	
e-mail address of person responsible for this SDS	: Product.Stewardship.EMEA@ppg.com
1.4 Emergency telephone	: 0031 (0)20 4075210

## **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. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360FD STOT SE 3, H335 STOT SE 3, H336 STOT RE 2, H373

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

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SECTION 2: Hazards	identification
Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May damage fertility. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure.</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. Do no breathe vapour.
Response	: IF exposed or concerned: Get medical advice or attention.
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, P260, P308 + P313, P403 + P233, P501</li> </ul>
Hazardous ingredients	<ul> <li>I rethoxy-2-propanol xylene tetraethyl silicate crystalline silica, respirable powder (&lt;10 microns) trimethyl borate</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	: Restricted to professional users.
Special packaging requiren	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 vPvE
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

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

#### 3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
rrethoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥10 - ≤25	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
xylene	EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤21	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]
tetraethyl silicate	REACH #: 01-2119496195-28 EC: 201-083-8 CAS: 78-10-4 Index: 014-005-00-0	≥1.0 - ≤5.0	Flam. Liq. 3, H226 Acute Tox. 4, H332 Eye Irrit. 2, H319 STOT SE 3, H335	ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤3.7	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]
crystalline silica, respirable powder (<10 microns)	EC: 238-878-4 CAS: 14808-60-7	≥1.0 - ≤5.0	STOT RE 1, H372 (inhalation)	-	[1] [2]
methanol	REACH #: 01-2119433307-44 EC: 200-659-6 CAS: 67-56-1 Index: 603-001-00-X	≥0.10 - ≤2.2	Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT SE 1, H370	ATE [Oral] = 100 mg/ kg ATE [Dermal] = 300 mg/kg ATE [Inhalation (vapours)] = 3 mg/l STOT SE 1, H370: C ≥ 10% STOT SE 2, H371: $3\% \le C < 10\%$	[1] [2]
trimethyl borate	EC: 204-468-9 CAS: 121-43-7 Index: 005-005-00-1	<1.0	Flam. Liq. 3, H226 Acute Tox. 4, H312 Eye Irrit. 2, H319 Repr. 1B, H360FD (oral) STOT SE 1, H370 (optic nerve) See Section 16 for the full text of the H statements declared above.	ATE [Dermal] = 1980 mg/kg	[1] [2]

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

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.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <u>Type</u>

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

Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by traine 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 t give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with wate before removing it, or wear gloves.

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

#### Potential acute health effects Eye contact : Causes serious eye irritation. Inhalation 2 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. **Skin contact** : Causes skin irritation. Defatting to the skin. Ingestion : Can cause central nervous system (CNS) depression. Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain or irritation watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced foetal weight increase in foetal deaths skeletal malformations

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SECTION 4: First a	aid measures	
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking	

	increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large
	quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

# SECTION 5: Firefighting 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 f	rom the substance or mixture
Hazards from the substance or mixture	: Highly 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.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides metal oxide/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 European standard EN 469 will provide a basic level of protection for chemical incidents.

# **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

entering. Do not touch or walk through spilt material. Shut off all ignition sources. If flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide	For non-emergency personnel	adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put
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### **SECTION 6: Accidental release measures**

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".
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).
6.3 Methods and material for	· co	ontainment 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 spill 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 equipro obtain special instructions before use. Avoid handle until all safety precautions have been or on skin or clothing. Do not breathe vapour adequate ventilation. Wear appropriate respin not enter storage areas and confined spaces original container or an approved alternative re tightly closed when not in use. Store and use any other ignition source. Use explosion-proor material handling) equipment. Use only non- measures against electrostatic discharges. E and can be hazardous. Do not reuse contain	exposure during pregnancy. Do not read and understood. Do not get in or mist. Do not ingest. Use only v rator when ventilation is inadequate unless adequately ventilated. Kee made from a compatible material, k away from heat, sparks, open flam of electrical (ventilating, lighting and sparking tools. Take precautionary empty containers retain product res	ot n eyes with e. Do p in the cept ne or d
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohi handled, stored and processed. Workers sho drinking and smoking. Remove contaminated entering eating areas. See also Section 8 for measures.	ould wash hands and face before e d clothing and protective equipmen	ating,
7.2 Conditions for safe storage, including any incompatibilities	:	Store between the following temperatures: 0 with local regulations. Store in a segregated container protected from direct sunlight in a d from incompatible materials (see Section 10) Eliminate all ignition sources. Separate from closed and sealed until ready for use. Contai carefully resealed and kept upright to prevent containers. Use appropriate containment to a	and approved area. Store in originary, cool and well-ventilated area, averand food and drink. Store locked to oxidising materials. Keep contained ners that have been opened must be leakage. Do not store in unlabelle	al way up. er tightly be
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## **SECTION 7: Handling and storage**

Section 10 for incompatible materials before handling or use.

#### 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
r-methoxy-2-propanol	EU OEL (Europe, 1/2022). Absorbed through skin.
	STEL: 568 mg/m <sup>3</sup> 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 375 mg/m³ 8 hours.
	TWA: 100 ppm 8 hours.
xylene	EU OEL (Europe, 1/2022). [xylene, mixed isomers pure]
	Absorbed through skin.
	STEL: 442 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 221 mg/m <sup>3</sup> 8 hours.
	TWA: 50 ppm 8 hours.
tetraethyl silicate	EU OEL (Europe, 1/2022).
	TWA: 5 ppm 8 hours.
	TWA: 44 mg/m <sup>3</sup> 8 hours.
ethylbenzene	EU OEL (Europe, 1/2022). Absorbed through skin.
	STEL: 884 mg/m <sup>3</sup> 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 442 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
crystalline silica, respirable powder (<10 microns)	
<i>a b</i>	TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable
methanol	EU OEL (Europe, 1/2022). Absorbed through skin.
	TWA: 260 mg/m <sup>3</sup> 8 hours.
twine other discrete	TWA: 200 ppm 8 hours.
trimethyl borate	ACGIH TLV (United States).
	STEL: 6 mg/m <sup>3</sup>
	TWA: 2 mg/m <sup>3</sup>

Recommended monitoring procedures Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs**

NumberDNEL Long term InhalationA 39 mg/m³ B mg/kg bw/dayCopulation General population general population general systemic population population DNEL DNEL DNEL Long term Dermal DNEL Short term Inhalation43.9 mg/m³ B mg/kg bw/day B mg/m³ Workers Systemic System	Product/ingredient name	Туре	Exposure	Value	Population	Effects
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population						-
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	DNEL	Short term Dermal	20 mg/kg bw/day	Workers	Systemic	
	DNEL	Long term Dermal	20 mg/kg bw/day	Workers	Systemic	
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	DNEL	Long term Inhalation	26 mg/m³	General population	Local	
	DNEL	Short term Inhalation	26 mg/m³	General population	Systemi	
	DNEL	Long term Inhalation	26 mg/m³	General population	Systemi	
	DNEL	Short term Inhalation	130 mg/m <sup>3</sup>	Workers	Local	
	DNEL	Long term Inhalation	130 mg/m <sup>3</sup>	Workers	Local	
	DNEL	Short term Inhalation	130 mg/m <sup>3</sup>	Workers	Systemi	
	DNEL	Long term Inhalation	130 mg/m <sup>3</sup>	Workers	Systemi	
trimethyl borate	DNEL	Long term Inhalation	8.3 mg/m <sup>3</sup>	Workers	Systemic	
-	DNEL	Long term Dermal	392 mg/kg bw/day	Workers	Systemic	

#### **PNECs**

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
1-methoxy-2-propanol	-	Fresh water	10 mg/l	Assessment Factors
	-	Marine water	1 mg/l	Assessment Factors
	-	Sewage Treatment Plant	100 mg/l	Assessment Factors
	-	Fresh water sediment	41.6 mg/kg	Equilibrium Partitioning
	-	Marine water sediment	4.17 mg/kg	Equilibrium Partitioning
	-	Soil	2.47 mg/kg	Equilibrium Partitioning
xylene	-	Fresh water	0.327 mg/l	-
-	-	Marine water	0.327 mg/l	-
	-	Sewage Treatment Plant	6.58 mg/l	-
	-	Fresh water sediment	12.46 mg/kg dwt	-
	-	Marine water sediment	12.46 mg/kg dwt	-
	-	Soil	2.31 mg/kg	-
ethylbenzene	-	Fresh water	0.1 mg/l	Assessment Factors
	-	Marine water	0.01 mg/l	Assessment Factors
	-	Sewage Treatment Plant	9.6 mg/l	Assessment Factors
	-	Fresh water sediment	13.7 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	1.37 mg/kg dwt	Equilibrium Partitioning
	-	Soil	2.68 mg/kg dwt	Equilibrium Partitioning
	-	Secondary Poisoning	20 mg/kg	-
methanol	-	Fresh water	20.8 mg/l	Assessment Factors
	-	Marine water	2.08 mg/l	Assessment Factors
	-	Sewage Treatment Plant	100 mg/l	Assessment Factors
	-	Fresh water sediment	77 mg/kg	Equilibrium Partitioning
	-	Marine water sediment	7.7 mg/kg	Equilibrium Partitioning
	-	Soil	100 mg/kg	Assessment Factors

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Skin protection			
Eye/face protection	: Chemical splash goggles.		
Individual protection measu Hygiene measures	<ul> <li>Wash hands, forearms and face thoroughly eating, smoking and using the lavatory and Appropriate techniques should be used to r Wash contaminated clothing before reusing showers are close to the workstation location</li> </ul>	at the end of the working period emove potentially contaminated . Ensure that eyewash stations	l. clothing.
8.2 Exposure controls Appropriate engineering controls	: Use only with adequate ventilation. Use pro other engineering controls to keep worker engineering controls to keep worker engineering controls to keep worker engineering of the engin	xposure to airborne contaminar neering controls also need to ke	nts below any ep gas,

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

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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	: For prolonged or repeated handling, use the following type of gloves: Recommended: polyvinyl alcohol (PVA), Viton®, butyl rubber May be used: nitrile rubber
Body protection	<ul> <li>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 antistatic 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.</li> </ul>
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3
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	: Colourless.
Odour	: Characteristic.
Odour threshold	: Not available.
Melting point/freezing point	■ May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water. Weighted average: -90.15°C (-130.3°F)
Initial boiling point and boiling range	: >37.78°C
Flammability	: Not available.
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 6% Upper: 44% (methanol)

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# SECTION 9: Physical and chemical properties

Flash point	:	Closed cup: 16.5°C						
Auto-ignition temperature	:	270°C (518°F)						
Decomposition temperature		. ,	table under recommended storage and handling conditions (see Section 7).					
рН	:	lot applicable. insoluble in water.						
Viscosity	:	Kinematic (40°C): >2	Kinematic (40°C): >21 mm²/s					
Solubility(ies)	:							
Media		Result	Result					
🕫 d water		Not soluble						
Partition coefficient: n-octanol water	1 :	Not applicable.						
Vapour pressure	:		Vapour Pressure at 20°C			Vapour pressure at 50°C		
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		prethanol	126.96329	16.9				
Evaporation rate	:	Highest known value acetate	e: 2.1 (met	hanol)	Weighted ave	rage: 0.8	3compare	ed with butyl
Relative density	:	1.18						
Vapour density	:	Highest known value: 7.22 (Air = 1) (tetraethyl silicate). Weighted average: 3.66 (Air = 1)						
Explosive properties	:	The product itself is i	not explos	ive, but	the formation	of an exp	losible m	nixture of

- : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
  - : Product does not present an oxidizing hazard.
- : Not applicable.

#### 9.2 Other information

**Oxidising properties** 

**Particle characteristics** 

Median particle size

No additional information.

<b>SECTION 10</b>	): Stability	and reactivity
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10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides

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## **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
✓-methoxy-2-propanol	LC50 Inhalation Vapour	Rat	>7000 ppm	6 hours
	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	5.2 g/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
tetraethyl silicate	LC50 Inhalation Dusts and	Rat	10 to 16 mg/l	4 hours
	mists		, , , , , , , , , , , , , , , , , , ,	
	LD50 Dermal	Rabbit	5.878 g/kg	-
	LD50 Oral	Rat	6270 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	-
methanol	LC50 Inhalation Vapour	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-
trimethyl borate	LD50 Dermal	Rabbit	1.98 g/kg	-
-	LD50 Oral	Rat	6.14 g/kg	-

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

#### Irritation/Corrosion

Product/ingredient name		Result	Species	Score	Exposure	Observation
<b>x</b> ylene		Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary			•		•	•
Skin	: There are	no data available on the r	nixture itself			
Eyes	: There are	no data available on the r	nixture itself			
Respiratory	: There are	no data available on the r	nixture itself			
Sensitisation						
Conclusion/Summary						
Skin	: There are	no data available on the	mixture itsel	f.		
Respiratory	: There are	no data available on the	mixture itsel	f.		
Mutagenicity						
Conclusion/Summary	: There are	no data available on the	mixture itsel	f.		
<b>Carcinogenicity</b>						
Conclusion/Summary	: There are	no data available on the	mixture itsel	f.		
Reproductive toxicity						
Conclusion/Summary	: There are	no data available on the	mixture itsel	f.		
Teratogenicity						
Conclusion/Summary	: There are	no data available on the	mixture itsel	f.		

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

Product/ingredient name	Category	Route of exposure	Target organs
1-methoxy-2-propanol xylene tetraethyl silicate methanol trimethyl borate	Category 3 Category 3 Category 3 Category 1 Category 1	- - -	Narcotic effects Respiratory tract irritation Respiratory tract irritation - optic nerve

Specific target organ toxicity (repeated exposure)

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# **SECTION 11: Toxicological information**

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs
Quartz (SiO2)	Category 1	inhalation	-

### Aspiration hazard

Product/i	ngredient name	Result
xylene ethylbenzene		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
nformation on likely routes of exposure	: Not available.	
Potential acute health effect	<u>'S</u>	
Inhalation	: Can cause central nervous syste dizziness. May cause respiratory	m (CNS) depression. May cause drowsiness or y irritation.
Ingestion	: Can cause central nervous syste	m (CNS) depression.
Skin contact	: Causes skin irritation. Defatting	to the skin.
Eye contact	: Causes serious eye irritation.	
Symptoms related to the ph	ysical, chemical and toxicological	<u>characteristics</u>
Inhalation	: Adverse symptoms may include respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced foetal weight increase in foetal deaths skeletal malformations	the following:
Ingestion	: Adverse symptoms may include reduced foetal weight increase in foetal deaths skeletal malformations	the following:
Skin contact	: Adverse symptoms may include irritation redness dryness cracking reduced foetal weight increase in foetal deaths skeletal malformations	the following:
Eye contact	: Adverse symptoms may include pain or irritation watering redness	the following:
<u>Delayed and immediate effe</u>	cts as well as chronic effects from	n short and long-term exposure
Short term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
<u>Long term exposure</u>		

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## **SECTION 11: Toxicological information**

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
Not available.	
Conclusion/Summary	: 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.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: May damage fertility. May damage the unborn child.
Other information	: Not available.

Folonged or repeated contact may dry skin and cause irritation. Contains . methanol . Cannot be made non-poisonous. May be fatal or cause blindness if swallowed. Sanding and grinding dusts may be harmful if inhaled. 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
✓-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l	Fish	96 hours
	Fresh water		
ethylbenzene	Acute EC50 1.8 mg/l Fresh	Daphnia	48 hours
	water		
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
methanol	Acute LC50 13 mg/l Fresh	Fish	96 hours
	water		

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

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum	
<b>e</b> thylbenzene	-	79 % - Readily - 10 days		-	-	
Conclusion/Summary : There are no data available on the mixture itself.						
Product/ingredient name		Aquatic half-life	Photo	lysis	Biodegradability	
<mark>x</mark> ylene ethylbenzene		-	-		Readily Readily	

#### 12.3 Bioaccumulative potential

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## **SECTION 12: Ecological information**

Product/ingredient name	LogPow	BCF	Potential
✓-methoxy-2-propanol	<1	-	Low
xylene	3.12	7.4 to 18.5	Low
tetraethyl silicate	3.18	-	Low
ethylbenzene	3.6	79.43	Low
methanol	-0.77	-	Low
trimethyl borate	-1.9	-	Low

12.4 Mobility in soil	
Soil/water partition coefficient (K <sub>oc</sub> )	: Not available.
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.

#### European waste catalogue (EWC)

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

#### 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

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## **SECTION 13: Disposal considerations**

Special precautions	: 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. Vapour 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	11	11	II
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

ADR/RID	: None identified.
Tunnel code	: (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 user 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 : Not applicable. according to IMO instruments

## 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.

# **SECTION 15: Regulatory information**

Annex XVII - Restrictions : Restricted to professional users.	
on the manufacture,	
placing on the market	
and use of certain	
dangerous substances,	
mixtures and articles	
Other national and international regulations.	
Explosive precursors : Not applicable.	
Ozone depleting substances (1005/2009/EU)	
Not listed.	
Seveso Directive	
This product is controlled under the Seveso Directive.	
Danger criteria	
Category	
P5c	

15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

## **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level
	EUH statement = CLP-specific Hazard statement
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classific	ation			Justification	
Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360FD STOT SE 3, H335 STOT SE 3, H336 STOT RE 2, H373			On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method	3	
Full text of abbreviated H statements	: H225 H226 H301 H304 H311 H312 H315 H319 H331 H332 H335 H336 H360FD H370 H372	Toxic in contact w Harmful in contact Causes skin irritat Causes serious ey Toxic if inhaled. Harmful if inhaled. May cause respira May cause drowsi May damage fertil Causes damage to	and vapour. allowed and enters air ith skin. with skin. ion. /e irritation. ness or dizziness. ity. May damage the u		
		Englieh		Surinamo	17/18

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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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<b>SECTION 16: Other</b>	information			
		mage to organs through prolonged or repeated exposure. uatic life with long lasting effects.		
Full text of classifications [CLP/GHS]	: Acute Tox. 3 Acute Tox. 4 Aquatic Chronic 3 Asp. Tox. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 1B Skin Irrit. 2 STOT RE 1 STOT RE 2 STOT SE 1 STOT SE 3	ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Category 1B SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3		
<u>History</u>				
Date of issue/ Date of revision	: 1 February 2024			
Date of previous issue	: 19 May 2022			
Prepared by	: EHS			
Version	: 17.06			
Disclaimor				

#### <u>Disclaimer</u>

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