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

# **SAFETY DATA SHEET**



**TEKNOSILOX STRUCTURE 3352 - All variants** 

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

## 1.1 Product identifier

Product name : TEKNOSILOX STRUCTURE 3352 - All variants

**1.2 Relevant identified uses of the substance or mixture and uses advised againstProduct use**: Paint.

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

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091. e-mail address of person : Prod-safe@teknos.com responsible for this SDS

### **National contact**

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

Telephone number : National Poisons Information Centre: 01 809 2566

### **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]

Skin Sens. 1, H317 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	: Warning
Hazard statements	<ul> <li>H317 - May cause an allergic skin reaction.</li> <li>H412 - Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	<ul> <li>P280 - Wear protective gloves.</li> <li>P273 - Avoid release to the environment.</li> <li>P261 - Avoid breathing vapour.</li> </ul>
Response	<ul> <li>P362 + P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P302 + P352 - IF ON SKIN: Wash with plenty of water.</li> </ul>
Storage	: Not applicable.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

## SECTION 2: Hazards identification

Hazardous ingredients	: Contains: 4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and Reaction mass of Bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Supplemental label elements	: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:
2.3 Other hazards	
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: This mixture contains substances that are assessed to be a PBT or a vPvB, refer to Section 3.2.
Other hazards which do	: None known.

not result in classification

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

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≤10	Carc. 2, H351 (inhalation)	-	[1] [*]
4,4'- Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane	EC: 500-070-7 CAS: 30583-72-3	≤10	Skin Sens. 1, H317 Aquatic Chronic 3, H412	-	[1]
Xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≤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 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	REACH #: 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5	≤1.9	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Quaternary ammonium compounds, C12-14 (evennumbered) - alkylethyldimethyl, ethyl sulphates	REACH #: 01-2119977130-42 EC: 269-662-8	<0.1	Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/kg ATE [Dermal] = 528 mg/kg M [Acute] = 10 M [Chronic] = 1	[1]
octamethylcyclotetrasiloxane	REACH #:	≤0.059	Flam. Liq. 3, H226	M [Chronic] = 10	[1] [3]
Date of issue/Date of revision		e of previous is:	sue : No previous valio		2/16
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SECTION 3: Composition/information on ingredients			
	01-2119529238-36 EC: 209-136-7 CAS: 556-67-2	Repr. 2, H361f Aquatic Chronic 1, H410 See Section 16 for	[4]
		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.

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[\*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form

containing 1% or more of titanium dioxide particles with aerodynamic diameter  $\leq$  10 µm not bound within a matrix.

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

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

### 4.1 Description of first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	:	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	-	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. 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

#### **Over-exposure signs/symptoms** Eye contact : No specific data.

Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

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

### 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 an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising	from	۱ the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst. 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 dioxide carbon monoxide sulfur oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters		
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.
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, pro-	ective 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. Avoid breathing 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".
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	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. 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.

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SECTION 6: ACCID	ental release measures
Large spill	: Stop leak if without risk. Move containers from spill area. 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

sections ormation on appropriate personal 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 ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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 in accordance with local regulations. 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. 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.

### 7.3 Specific end use(s)

**Recommendations** Industrial sector specific solutions

- : Not available.
- : Not available.

### SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
Xylene	NAOSH (Ireland, 5/2021). [xylene mixed isomers] Absorbed through skin. Notes: EU derived Occupational Exposure Limit Values
	OELV-8hr: 50 ppm 8 hours. OELV-8hr: 221 mg/m <sup>3</sup> 8 hours. OELV-15min: 100 ppm 15 minutes. OELV-15min: 442 mg/m <sup>3</sup> 15 minutes.

### **Biological exposure indices**

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

Product/ingredient name	Exposure indices           NAOSH (Ireland, 1/2011) [Xylene]           BMGV: 1.5 g/g creatinine, methylhippuric acids [in urine].           Sampling time: end of shift - As soon as possible after exposure ceases.	
Xylene		

procedures European 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/DMELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	DNEL	Long term Oral	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	1.76 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term	1.76 mg/m³		Systemic
	DNEL	Long term Inhalation	3.25 mg/m <sup>3</sup>		Systemic
	DNEL	Short term Inhalation	3.52 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Dermal	21 µg/cm²	General population	Local
	DNEL	Long term Dermal	21 µg/cm²	General population	Local
	DNEL	Long term Dermal	21 µg/cm²	Workers	Local
	DNEL	Short term Dermal	0.23 mg/ cm <sup>2</sup>	Workers	Local
Xylene	DNEL	Long term Inhalation	65.3 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	221 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	12.5 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	65.3 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	General	Systemic
	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Local

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	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Systemic
octamethylcyclotetrasiloxane	DNEL	Long term Oral	3.7 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	13 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	13 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	73 mg/m³	Workers	Local
	DNEL	Long term Inhalation	73 mg/m³	Workers	Systemic

### **PNECs**

No PNECs available

Appropriate engineering controls		Good general ventilation should contaminants.	be sufficient to control worker exposure to airborne				
ndividual protection meas	<u>ures</u>						
Hygiene measures	1 / (	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 clothir 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	( (	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.					
Skin protection							
Hand protection		be worn at all times when handlin this is necessary. Considering th check during use that the gloves should be noted that the time to l different for different glove manu	ploves complying with an approved standard should ng chemical products if a risk assessment indicates ne parameters specified by the glove manufacturer, are still retaining their protective properties. It breakthrough for any glove material may be facturers. In the case of mixtures, consisting of on time of the gloves cannot be accurately				
	F	Recommendations : Wear suita	able gloves tested to EN374.				
		< 1 hour (breakthrough time):	Nitrile gloves. thickness > 0.3 mm				
		1 - 4 hours (breakthrough time):	polyvinyl alcohol (PVA) thickness > 0.3 mm or 4H / Silver Shield® gloves.				
	;	> 8 hours (breakthrough time):	Viton® thickness > 0.3 mm gloves				
	١	Wash hands before breaks and i	immediately after handling the product.				
Body protection	ł		or the body should be selected based on the task volved and should be approved by a specialist				
Other skin protection	5	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	a I	appropriate standard or certificat	al for exposure, select a respirator that meets the ion. Respirators must be used according to a ensure proper fitting, training, and other important				
		Filter type: A					

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

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	: Various
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	:

Ingredient name		°C	°F	Method	
Xylene		136.16	277.1		
Flammability	: Not	available.			
Lower and upper explosion limit		er: 0.8% er: 6.7%			
Flash point	: Clos	sed cup: 65°C (1	149°F)		
Auto-ignition temperature	:				
Ingredient name		°C	°F	Method	
Xylene		432	809.6		
Decomposition temperature	: Not	available.		I	
рН	: Not	applicable.			
Viscosity	: Not	available.			
Solubility(ies)	1				
Not available.					
Solubility in water	: Not	available.			
Partition coefficient: n-octanol/ water	: Not	applicable.			

### Vapour pressure

	Va	Vapour Pressure at 20°C			Vapour pressure at 50		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
Xylene	6.7	0.89					
Relative density	: Not	available.					
Density	: 1.4	g/cm³					
Vapour density	: Not	available.					
Explosive properties	: Not	available.					
Oxidising properties	: Not	available.					
Particle characteristics							
Median particle size	: Not	applicable.					

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<b>SECTION 10: Stabilit</b>	y and reactivity
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	: No specific data.
10.5 Incompatible materials	: No specific data.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Xylene	LC50 Inhalation Vapour	Rat	21.7 mg/l	4 hours
-	LD50 Oral	Rat	4300 mg/kg	-
Reaction mass of Bis	LD50 Dermal	Rat	>3170 mg/kg	-
(1,2,2,6,6-pentamethyl-				
4-piperidyl) sebacate and				
Methyl				
1,2,2,6,6-pentamethyl-				
4-piperidyl sebacate				
	LD50 Oral	Rat	3230 mg/kg	-
Quaternary ammonium	LD50 Dermal	Rabbit	528 mg/kg	-
compounds, C12-14				
(evennumbered) -				
alkylethyldimethyl, ethyl				
sulphates				
octamethylcyclotetrasiloxane		Rat	36 g/m³	4 hours
	LD50 Dermal	Rat	1770 mg/kg	-
	LD50 Oral	Rat	1540 mg/kg	-

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Acute toxicity estimates

Route	ATE value
	51594.75 mg/kg 515.95 mg/l

### **Irritation/Corrosion**

Human Rabbit Rabbit Rat	- - -	72 hours 300 ug I 87 mg 24 hours 5 mg 8 hours 60 uL	-
Rabbit	- -	87 mg 24 hours 5 mg	-
Rabbit	-	24 hours 5 mg	-
	-	mg	-
Rat	-	0	
Rat	-	8 hours 60 uL	
		0	-
Rabbit	-	100 %	-
Rabbit	-	24 hours 500	-
		mg	
Rabbit	-	24 hours 500	-
		mg	
Rabbit	-	24 hours 500	-
		mg	
F	Rabbit	Rabbit - Rabbit -	Rabbitmg24 hours 500mgRabbit-24 hours 500

: Based on available data, the classification criteria are not met. Conclusion/Summary

## **SECTION 11: Toxicological information**

	U	,
Sensitisation		
<b>Conclusion/Summary</b>	:	May cause an allergic skin reaction.
<u>Mutagenicity</u>		
<b>Conclusion/Summary</b>	:	Based on available data, the classification criteria are not met.
Carcinogenicity		
		cinogenic hazard of this product arises when respirable dust is inhaled in quantities of particle clearance mechanisms in the lung.
<b>Conclusion/Summary</b>	:	Based on available data, the classification criteria are not met.
Reproductive toxicity		
<b>Conclusion/Summary</b>	:	Based on available data, the classification criteria are not met.
<u>Teratogenicity</u>		
<b>Conclusion/Summary</b>	:	Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Xylene	Category 3	-	Respiratory tract irritation

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

Product/ingredient name	Category	Route of exposure	Target organs
Xylene	Category 2	oral, inhalation	-

### **Aspiration hazard**

Product/ingredient name	Result
Xylene	ASPIRATION HAZARD - Category 1

Information on likely route of exposure	es : Not available.
Potential acute health effe	<u>ects</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.

Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

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

<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

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 Date of issue/Date of revision
 : 11/03/2024
 Date of previous issue

## **SECTION 11: Toxicological information**

### Potential chronic health effects

Not available.

Conclusion/Summary	: Not available.
General	: 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.

## 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	
titanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - <i>Ceriodaphnia dubia</i> - Neonate	48 hours	
	Acute LC50 6.5 mg/l Fresh water	Daphnia - <i>Daphnia pulex -</i> Neonate	48 hours	
	Acute LC50 >1000000 μg/l Marine water	Fish - Fundulus heteroclitus	96 hours	
Reaction mass of Bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	EC50 1.68 mg/l	Aquatic plants - Desmodesmodus subspicatus	72 hours	
	Acute LC50 0.9 mg/l Chronic NOEC 1 mg/l	Fish - <i>Brachydanio rerio</i> Daphnia	96 hours 21 days	
octamethylcyclotetrasiloxane	Acute LC50 0.204 to 3.483 mg/l Fresh water	Fish - <i>Leuciscus idus ssp.</i> melanotus	96 hours	
	Chronic NOEC 7.9 μg/l Fresh water Chronic NOEC 4.4 μg/l Fresh water	Daphnia - <i>Daphnia magna</i> Fish - <i>Oncorhynchus mykiss</i> - Egg	21 days 93 days	

Conclusion/Summary

: Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

Conclusion/Summary

: This product has not been tested for biodegradation.

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Xylene	-	8.1 to 25.9	Low
octamethylcyclotetrasiloxane	6.488	13400	High

### 12.4 Mobility in soil

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

### 12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
4,4'- Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane	No	N/A N/A	N/A No	No	N/A	N/A N/A	N/A No
Xylene Quaternary ammonium compounds, C12-14 (evennumbered) - alkylethyldimethyl, ethyl sulphates	No	N/A	N/A	No	N/A	N/A N/A	N/A
octamethylcyclotetrasiloxane	SVHC (Recommended)	Specified	Specified	Specified	SVHC (Recommended)	Specified	Specified

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

13.1 Waste treatment meth	nods
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.
European waste catalogue (EWC)	: 080111*
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.
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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	Not regulated.	9003	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C AND NOT MORE THAN 100 °C (xylene)	-	-
14.3 Transport hazard class(es)	-	9	-	-
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SECTION 14	Transpo	ort inforn	nation		
14.4 Packing group	-		-	-	-
14.5 Environmental hazards	No.		Yes.	No.	No.
Additional inform ADN 14.6 Special preca user		vessels. <b>Transpor</b> upright ar	rt within user's	<b>premises:</b> always trans e that persons transport	d when transported in tank port in closed containers that are ing the product know what to do in
14.7 Maritime tran bulk according to instruments		: Not releva	ant/applicable du	e to nature of the produ	ct.
SECTION 15	Regulat	tory infor	mation		

### 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

Intrinsic property	Ingredient name	 Reference number	Date of revision
PBT	octamethylcyclotetrasiloxane	 ED/71/2019	4/14/2021
vPvB	octamethylcyclotetrasiloxane	ED/71/2019	4/14/2021

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
TEKNOSILOX STRUCTURE 3352	≥90	3
octamethylcyclotetrasiloxane	≤0.059	70

Labelling	- : · · · · · · · · · · · · · · · · · ·
Other EU regulations	
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed
Explosive precursors	: Not applicable.
Ozone depleting substant Not listed.	<u>ces (1005/2009/EU)</u>
Prior Informed Consent (F Not listed.	<u>PIC) (649/2012/EU)</u>

### **Persistent Organic Pollutants**

**TEKNOSILOX STRUCTURE 3352 - All variants** 

Not listed.

### **Seveso Directive**

This product is not controlled under the Seveso Directive.

: 11/03/2024 Date of previous issue Date of issue/Date of revision

## **SECTION 15: Regulatory information**

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### **Montreal Protocol**

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

## **15.2 Chemical safety** assessment

: This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]</li> </ul>
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EUH statement = CLP-specific Hazard statement
	N/A = Not available
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number
	SGG = Segregation Group
	vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

### Full text of abbreviated H statements

H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H311	Toxic in contact with skin.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H351	Suspected of causing cancer.	
H361f	Suspected of damaging fertility.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

Full text of classifications [CLP/GHS]

## **SECTION 16: Other information**

Acute Tox. 3	ACUTE TOXICITY - Category 3		
Acute Tox. 4	ACUTE TOXICITY - Category 4		
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1		
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1		
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3		
Asp. Tox. 1	ASPIRATION HAZARD - Category 1		
Carc. 2	CARCINOGENICITY - Category 2		
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1		
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2		
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3		
Repr. 2	REPRODUCTIVE TOXICITY - Category 2		
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C		
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2		
Skin Sens. 1	SKIN SENSITISATION - Category 1		
Skin Sens. 1A	SKIN SENSITISATION - Category 1A		
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2		
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3		
Date of issue/ Date of	: 11/03/2024		
revision			
Date of previous issue	No previous validation		
Version	: 2		

#### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

Date of issue/Date of revision: 11/03/2024Date of previous issueTEKNOSILOX STRUCTURE 3352 - All variants

: No previous validation