# Safety Data Sheets Complies with Regulation (EC) No 1907/2006 (REACH), Annex II, amended according to Regulation (EU) No 2020/878 OrthoPreventAligner® PR-M hart Article no.: No. 90902 Revised on: 15.05.2023 Version: 4.0 Replaced version: 3.0

.1	Product identifier	OrthoPreventAligner® PR-M hart Article no.: 90902
1.2	Relevant identified uses of the substance or mixture and uses which are not recommended	
1.2.1	Relevant uses medical device:	Medical device - oral vestibule plate
1.2.2	Uses that are not recommended:	None known
1.3	Details of the supplier providing the safety data sheet	Dr. Hinz Dental Vertriebsgesellschaft mbH & Co. KG Friedrich der Große 64 44628 Herne GERMANY Phone: + 49 (0) 23 23 / 59 34 20
1.4	Emergenov number	Fax : + 49 (0) 23 23 / 59 34 29 E-Mail: qm@dhug.de
1.4	Emergency number	Contact: <b>Dr. P. Hinz</b> Phone: + 49 17 51 83 41 34

SECTION 2:	Possible	dangers
SECTION 2.	L O22IDIC	uangers

2.1	Classification of the substance or mixture		
	Classification according to Regulation Not a hazardous substance or mixture		
2.1.1	Classification according to (EC) Regulation 1272/2008 as amended.		
	Not classified		
2.2	Labelling elements Additional information:	Not applicable No data available	
2.3	Other dangers	The product contains substances relevant for the assessment in section 12.5. Product may release hydrogen. Risk of hydrogen formation with water, alcohols, acids, metal salts, amines and alkalis. The hydrogen formed may form oxyhydrogen gas in combination with oxygen.	

SECTION 3: Composition / Information on ingredients				
3.1	Chemical characterisation	Polydimethylsiloxane and excipient		

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3.1.1	Dangerous ingredients	The product contains no hazardous ingredients above the consideration limit(s). CAS No. 540-97-6 Substance: dodecamethylcyclohexasiloxane Content(%) >=0.1 - <0.3 Reason for inclusion: Persistent, bioaccumulative and toxic (Article 57d) Very persistent and very bioaccumulative (Article 57e) CAS No. 541-02-6 Substance: decamethylcyclopentasiloxane Content(%) >=0.1 - <0.3 Reason for inclusion: Persistent, bioaccumulative and toxic (Article 57d) Very persistent and very bioaccumulative and toxic (Article 57d) Very persistent and very bioaccumulative (Article 57e)
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		Section 4: First aid measures
4.1	Description of the first aid measures	S
	General notes	In case of accident or if you feel unwell, seek medical advice (show label or MSDS if possible).
	Inhalation:	Product cannot be inhaled under normal circumstances.
	Eye contact:	Rinse immediately with plenty of water. If irritation persists, seek medical advice.
	Skin contact:	Remove product with cloth or paper. Wash off with plenty of water or soap and water. In case of visible skin lesions
		or discomfort, seek medical advice (show label or MSDS if possible).
	Ingestion:	Have plenty of water drunk in small portions. Do not induce vomiting.
4.2	Most important symptoms and effects, both acute and delayed:	Relevant information is located in other parts of this section.
4.3	Indications for immediate medical h	elp or special treatment
	Dangers:	This product is not expected to be harmful under normal use and proper personal hygiene.
	Treatment:	Do NOT induce vomiting if swallowed. Administer a glass of water.

	SECTION 5: Fire-fighting measures			
5.1 General fire hazards		Fire residues and contaminated extinguishing water must be disposed of in accordance with local official regulations.		
	Extinguishing agent Suitable extinguishing media	Fires can be controlled with water mist, foam or carbon dioxide. Larger fires are best fought with alcohol-resistant, water film-forming foam agents (AFFF-AR).		

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Special hazards arising from the	
substance or mixture:	In case of fire, generation of hazardous combustion gases or vapors possible. Exposure to combustion products may
	be a health hazard! Hazardous fire products: toxic and very toxic fumes . When using
	Caution should be exercised when using water-based extinguishing agents, as hydrogen may be released which, after extinguishing the
	can accumulate in poorly ventilated or confined areas and lead to renewed fire formation or explosions.
	explosions. Foam carpets may also trap hydrogen or flammable vapors, which can cause ground explosions
	can occur. Eliminate ignition sources during cleaning and pickup.
Advice for firefighters Advice for firefighters:	Fires involving SiH polysiloxane materials may be difficult to extinguish.
Special protective equipment for fire fighting:	Use self-contained breathing apparatus. Keep unprotected persons away.
	Substance or mixture:         Advice for firefighters Advice for firefighters:         Special protective equipment for fire

	SECTION 6: Accidental release measures		
6.1	Personal precautions, protective equipment and emergency procedures:	Secure the area. Wear personal protective equipment (see section 8). Keep unprotected persons away. If material has been released, draw attention to the danger of slipping. Do not walk through spilled material	
6.2	Environmental protection measures:	Do not allow to enter waters, waste water and soil. Close leak if this can be done without risk. Retain contaminated water/extinguishing water. Dispose of in properly labeled containers. In case of leakage into water, sewage system or the subsoil, notify the competent authority.	
6.3	Methods and material for retention and cleaning:	To avoid adhesion, dust the surface with sand or bleaching earth and pick up material mechanically. Sweep up or scrape up spilled material and place in a special chemical waste container. Remove the any remaining slippery coating with detergent / soap solution or other biodegradable cleaner. To Improve skid resistance, sand or other inert granular material. Additional Instructions: Vacuum fumes. Eliminate ignition sources. Observe explosion protection. Material for disposal must be kept away from incompatible materials according to point 10. Do not mix contaminated material with clean material. Do not seal collection vessels gas-tight. Observe the information in section 7.	
6.4	Reference to other sections:	Relevant information in other sections must be observed. This applies in particular to information on personal protective equipment (section 8) and disposal (section 13).	

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	Section 7: 4	landling and storage	
	Section 7: F	landling and storage:	
7.1	Protective measures for safe handling:	containers with care. Keep keep closed containers not substances according to po inert and fill containers with information on the safe Further information on the s from Wacker Chemie AG. C	in use. Keep away from incompatible int 10. If possible, make equipment nitrogen to reduce oxygen content. Further safe handling of H-siloxanes is available Observe information in section 8.
	Notes on fire and explosion protection:	Store in a dry and cool plac a well-ventilated place.	e. Protect from moisture. Store container in
7.2	Conditions for safe storage taking into account incompatibilities:	Do not store in containers n Observe local official regula Information about storage in	n one common storage facility: basic substances (e.g. alkalis, ammonia,
	Storage stability:	No information available.	
	Storage class:	Storage class (TRGS 510):	10
7.3	Specific end uses:	No information available.	

	SECTION 8:	Exposure of	controls/personal protective equipment	
8.1	Parameters to be monitored Occupational n exposure limit values		not applicable	
	Biological limit values		None(s).	
8.2	Exposure controls Suitable engineering controls:		Observe information in section 7. Observe national regulations.	
	Individual protective measures, for example personal protective equipment			
	General information:		Observe general hygiene measures when handling chemical substances not eat, drink or smoke during work.	
	Eye/face protection:	Re	Recommendation: Safety goggles	
	Skin protection Hand protection:	ac	Vhen handling the product, the use of protective gloves is recommended, ccordance with recognized standards such as EN374. Recommended love material: Protective gloves made of nitrile rubber. Naterial thickness: > 0.1 mm	

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Breakthrough time: > 480 min	
Recommended glove material: Pro	tective gloves made of butyl rubber
Material thickness: > 0.3 mm	
Breakthrough time: > 480 min	
permeability and breakthrough time the product is used, such as risk of duration. It should be noted that, in protective glove may be (e.g. temp	Also the specific, conditions under which cut, abrasion and contact time. contact practice, the daily service life of a chemical erature) may be significantly shorter than
	nd goggles/face protection when working.
Normally no personal respiratory p	rotection required.
while working. Maintain good perso contaminated work areas with soap	ene measures. Do not eat, drink or smoke anal hygiene. Thoroughly clean hands and and water before leaving the workplace.
,	water and soil.
	Breakthrough time: > 480 min Please observe the specifications of permeability and breakthrough time the product is used, such as risk of duration. It should be noted that, in protective glove may be (e.g. tempe the permeation time determined by Wear suitable protective clothing an Normally no personal respiratory pr Observe recognized industrial hygic while working. Maintain good person

### SECTION 9: Physical and chemical properties

Parameter	Value
State of aggregation	liquid / paste
Colour	colorless
Smell	weak
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	No data known.
Lower explosion limit upper explosion limit	not applicable
Flash point	> 150 °C
Ignition temperature	> 210 °C
Decomposition temperature	> 250 °C
pH value	not applicable
Kinematic viscosity	> 9000000 mPa.s
Solubility	practically insoluble
Partition coefficient n-octanol/water (log value)	No data available.

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	Vapour pressure	Not applicable
	Density and/or specific gravity	No data available.
	Relative vapour density	1,17 (water / 4 °C = 1.00) (ISO 1183-1 A) 1.17 g/cm³ (ISO 1183-1 A)
	Particle properties	Not applicable
9.2.	Other information According to present knowledge, spontaneous ignition of catalytic substrate can occur at much lower temperatures fibrous materials including those with alkaline surfaces su insulating materials. Explosion limits for released hydroge neutral.	than expected. This applies to porous or ch as thermal or cementitious

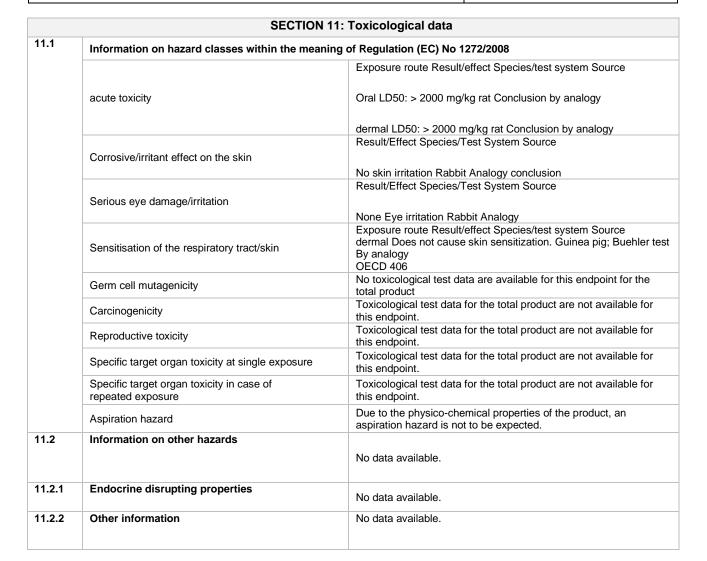
	SECTION 10: Stability and reactivity		
10.1	Reactivity	No known hazardous reactions when stored and handled properly.	
10.2	Chemical stability	Relevant information may be found in other parts of this section. No data	
10.3	Possibility of hazardous reactions	No data	
10.4	Conditions to avoid	Moisture, heat, open flames and other sources of ignition. Contact with contaminated pipelines and containers or with corroded or rusty containers may lead to increased formation of hydrogen. Observe information in section 7.	
10.5	Incompatible materials	Proton-active substances. Reacts with acids, basic substances (e.g. alkalis, ammonia, amines), alcohols, water, moisture, oxidizing agents, catalysts. The reaction takes place with the formation of hydrogen	
10.6	Decomposition products	In case of contact with substances mentioned under 10: Hydrogen. Measurements have shown that, at temperatures above approx. 150 °C a small amount of formaldehyde is released by oxidative degradation.	

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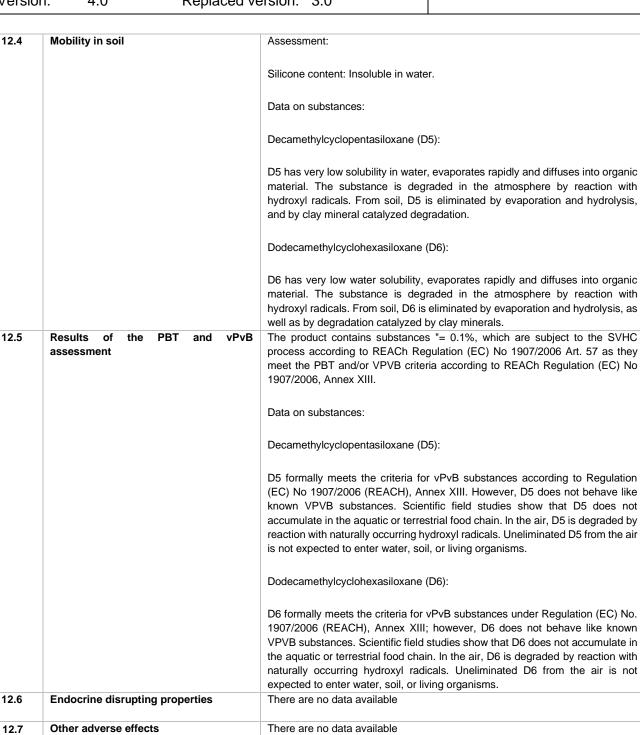
	SECT	ION 12. Environmental information
12.1	Toxicity	Evaluation based on ecotoxicological tests with similar products, taking into account the physical-
		chemical properties: No classification-relevant effects on aquatic organisms are expected for this product.
		According to current experience, no adverse effects in sewage treatment plants are to be expected.
12.2	Persistence and degradability	Silicone content: Non-biodegradable. Separation by sedimentation.
12.3	Bioaccumulative potential	Polymer component: No adverse effects expected.

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SECTION 13: Disposal instructions			
13.1	Waste treatment process		
13.1	General information	<ul> <li>Product</li> <li>Recommendation:</li> <li>Danger of oxyhydrogen gas formation in case of contact with substances mentioned in 10 Material intended for disposal must be kept incompatible substances mentioned in point 10. Waste from this product should not be mixe with other waste.</li> <li>mixed with other wastes. Waste containers must be equipped with pressure equalization devices such as ventilated lids.</li> <li>be equipped. Material that cannot be reused, reprocessed or recycled should be disposed or at an approved facility in accordance with national, state and local regulations. Depending on regulations waste treatment methods may include</li> <li>Waste treatment methods may include, for example, landfill disposal or incineration Uncleaned packaging.</li> <li>Recommendation:</li> <li>Containers may contain hazardous levels of hydrogen. Do not reuse uncleaned containers of fill them with other materials materials due to possible reaction between residual product and incompatible materia Containers must be</li> <li>completely empty (drip-free, free-flowing, spatula clean). Packaging must be disposed of i accordance with the</li> </ul>	
		national regulations in force, packaging should preferably be reused or recycled. Packagin that cannot be	
	Disposal methods	<ul> <li>packaging must be disposed of in the same way as the substance.</li> <li>No waste code number according to the European Waste Catalogue (AVV) can be defined for this product, since only the intended</li> <li>only the intended use by the consumer allows an assignment. The waste code number must be defined within the</li> <li>in consultation with the waste disposal company.</li> </ul>	

	SECTION 14: Transport information	
14.1	ADR	Not dangerous goods
14.2	ADN	Not dangerous goods
14.3	RID	Not dangerous goods
14.4	IMDG	Not dangerous goods
14.5	ΙΑΤΑ	Not dangerous goods
14.6	Special precautions for the user:	Relevant information in other sections must be observed
14.7	Carriage in bulk in accordance with Annex II of the MARPOL Convention and the IBC Code:	There is no intention to carry bulk cargo in tankers.

### SECTION 15: Legislation

Safety I	Data Sheets	
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15.1	Safety, health and environmental regulations/specific legislation for th	e substance or mixture:
	EU regulations	
	Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled substances:	Not applicable
	Regulation (EU) 2019/1021 on persistent organic pollutants (new edition), as amended:	Not applicable
	Regulation (EC) No 649/2012 on the export and import of dangerous chemicals:	Not applicable
	Regulation (EC) No 1907/2006, REACH Annex XIV List of substances subject to authorisation, as amended:	REACh Annex XVII: This product contains decamethylcyclopentasiloxane (D5) above 0.1% by weight. Annex XVII, entry 70 of Regulation 1907/2006 in current version has to be considered.
	EU. REACH Candidate List of Substances of Very High Concern (SVHC) for authorisation:	Not applicable
	Regulation (EC) No 1907/2006 Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles :	Not applicable
	Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work:	Not applicable
	Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding:	Not applicable
	Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances:	Not applicable
	REGULATION (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register, ANNEX II: Pollutants	Not applicable
	Directive 98/24/EU on the protection of workers from the risks related to chemical agents at work:	Not applicable
	National regulations	
	Water hazard class	1 (VwVwS (Deutschland) vom 27.07.2005, Anhang 4)
	Reference to Technical Rules for Hazardous Substances (TRGS)	Not applicable
	VOC Directive (1999/13/EC) and the Decopaint Directive (2004/42/EC)	Not applicable
	Other regulations	Information on the International Registration Status
		Where relevant information on individual substance inventories is available, it is listed below.

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	Australia : AICS (Australian Inventory of Chemical Substances):
	This product is not listed or not in compliance with the substance inventory.
	Ν
	Philippines : PICCS (Philippine Inventory of Chemicals and Chemical Substances):
	This product is not listed or not in compliance with the substance inventory.
	Ν
	United States of America (USA) : TSCA (Toxic Substance Control Act Chemical Substance Inventory):
	All components of this product are actively listed or in compliance with the
	substance inventory.
	TY
	Taiwan : TCSI
	(Taiwan Chemical Substance Inventory):
	This product is listed or in compliance with the substance inventory. General
	Note: Chemical law in Taiwan requires a Phase 1 registration for
	TCSI-listed or TCSI-compliant substances when imported into Taiwan or manufactured in Taiwan.
	manufacturing in Taiwan exceeds the quantity threshold of 100 kg/year (for mixtures
	(for mixtures, this must be calculated for each ingredient). The responsibility
	for this lies with the importer or manufacturer.

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			European Economic Area (EEA) : REACH (Regulation (EC) No 1907/2006):
			General note: Registration obligations arising from manufacture in the
			EEA or import into the EEA by the supplier named in section 1 shall be fulfilled by the supplier.
			shall be fulfilled by the latter. Registration obligations arising from import into
			the EEA by customers or other downstream users shall be fulfilled by them.
			be fulfilled by them.
			South Korea (Republic of Korea): AREC (Chemicals Registration and Evaluation Act; "K- REACH"):
			Please contact your regular WACKER contact person for further
45.0	Chamiast setsta		information.
15.2	Chemical safety a	assessment	The result of the chemical safety assessment does not require the specification of exposure scenarios and uses in the safety data sheet.

		SECTION 16: Other information	
16.1	Information on the revision	Not relevant.	
	Important literature references and data sources:	There are no data available.	
	Training information:	There are no data available.	
	Disclaimer:	More information To the best of our knowledge, the information in this safety data sheet corresponds to our knowledge at the time of revision. The information is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. Insofar as the product named in this safety data sheet is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material thus produced, unless expressly stated otherwise.	