

SAFE	TY DATA SHEET (GHS)							
Issue Date: 30.11.2018								
Version: 1.0.0								
	sion Date: 29.11.2023							
Print	Date: 30.11.2018							
1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE/PRODUCT AND MANUFACTURER/IMPORTER							
1.1	Product identifier:-							
	Product name:	IPS	d.SIGN Build-Liquid Opt	imum 1 / Optimum 2				
	Product number:	5755	543, 575545***					
1.2	Other means of identification:-							
	Not applicable.							
1.3	Recommended use of the chemical and restrictions on use:-							
	Not applicable.							
	Identified uses: Auxiliary for manufacture of dental prosthesis							
1.4	Details of the manufacturer and im		,, ,					
	Manufacturer:		ar Vivadent AG					
	manaraotaron		dererstrasse 2					
			494 Schaan					
		. – .		ISTEIN				
			+423 235 35 35	NOT EIN				
			+423 235 33 60					
	Importer:		ar Vivadent Ltd					
	importer.)mega St, Rosedale, Auck	land New Zeeland				
			ne +64 9 914 9999 Fax +6					
			.ivoclarvivadent.co.nz	4 9 914 9990				
1.5	Emorgonov phono numbori			Control				
1.5	Emergency phone number:) 764 766 (National Poiso					
		Pois	ons Hotline (24 hours / 7 o	lays)				
2.	HAZARD(S) IDENTIFICATION							
2.1	GHS Classification:-							
2.1	Void							
22		ocautionary eta	tomonts:-					
2.2 GHS Label elements, including precautionary statements:- Hazard Pictogram:								
	Hazard Pictogram: Signal word:	Void						
	Hazard-determining components of							
	labelling:	Vaid						
	Hazard statements:	Void						
	Precautionary statements:	Void						
2.3	Additional information:							
2.5	Not Applicable							
	Other hazards:-							
	Results of PBT and vPvB assessm	nent; PBT	Not applicable					
	RESULT OF FOI AND VEVD ASSESSI	vPv						
3								
3 COMPOSITION/INFORMATION ON INGREDIENTS Mixture of substances listed below with nonhazardous additions.								
	Ingredient name	CAS No.	Classification	Concentration				
	-	Void	Void	Void				
	volu	volu	volu	volu				

For the full text of the H-Statements mentioned in this Section, refer to Section 16.

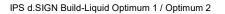
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- 4. FIRST AID MEASURES
- 4.1 Description of necessary first aid measures:-

	If inhaled:			Supply fresh air; co	e of complaints.				
	In case of skin cont	act:		Rinse with water.	I				
				Generally the prod					
	In case of eye contain	act:		Rinse opened eye					
	If awallowed			water. If symptoms					
	If swallowed:			Rinse out mouth ar If symptoms persis		of water.			
4.2	Symptoms caused	by exposure:-		No further relevant		ble			
4.3	Medical attention a		tment:-	No further relevant					
				•					
5.	FIRE FIGHTING ME								
5.1	Suitable extinguish		-		ter enney Fisht ler	was finan with water			
	Suitable extinguish	ing media:		spray or alcohol re		ger fires with water			
	Unsuitable extingui	shing media:		No further relevant		ble			
5.2	Specific hazards ar			No further relevant					
	substance/mixture/								
5.3	Special protective e			-					
	Special personal p	otective equipr	ment:	No further relevan					
	Precautions:			No further relevan	t information avail	able			
c	ACCIDENTAL REL		F 0						
6. 6.1	Personal precautio			t and omorgoncy n	rocoduros.				
0.1	Not required.	ns, protective e	quipinen	and emergency p	locedules				
6.2	Environmental precautions:-								
	Dilute with plenty of water.								
6.3	Methods and mater								
	Absorb with liquid-bi				iniversal binders, s	awdust).			
		See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.							
	See Section 13 for d			ection equipment.					
7.	HANDLING AND ST	HANDLING AND STORAGE							
7.1	Precautions for saf								
	Only adequately trained personnel should handle this product.								
7.2	For use in dentistry only. Conditions for safe storage, including any incompatibilities:-								
1.2	Keep container tightly sealed.								
	Store only in the original receptacle.								
	,	·							
_									
8. 8.1		EXPOSURE CONTROLS/PERSONAL PROTECTION							
0.1	Exposure control n Occupational expo								
	Component	CAS No.		Value	Parameters	Basis			
	Void				Void				
	Ingredients with bio								
	The product does no		evant qua	antities of materials w	/ith critical values th	hat have to be			
		monitored at the workplace.							
8.2	Biological monitoring:- The lists valid during the making were used as basis. Exposure controls / Personal protective equipment / General protective and hygienic measures:								

Exposure controls / Personal protective equipment / General protective and hygienic measures:





Usual hygienic measures for dental practice. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed.

8.3 Control banding:-

Use good industrial hygiene practice and general ventilation.

8.4 Engineering controls:-

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves.

Protective gloves shall be replaced immediately when physically damaged or worn.

- 8.5 Individual protection measures include PPE:-Eye/face protection:

Skin protection:



Safety glasses

Required. Use tightly fitting safety glasses as per Australian Standard AS 1336 and AS/NZS 1337.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection:

Not required.

- 9. PHYSICAL/CHEMICAL PROPERTIES
- 9.1 Information on physical/chemical properties:-
- a) Appearance/Form:
- b) Colour:
- c) Odour:
- d) Odour threshold:
- e) **pH value**:
- f) Melting point/melting range:
- g) Boiling point/boiling range:
- h) Flash point:
- i) Ignition temperature:

Fluid Colourless Odourless Not determined. Not applicable. Not determined Undetermined. Not applicable. Contact with combustible material may cause fire.



Product is not self-igniting.

Not determined.

Not determined.

Not applicable.

Kinematic | Not applicable.

Not determined.

Not determined

Not determined.

Not applicable.

Not applicable.

Fully miscible.

Dvnamic

100.0%

Not determined.

Lower

Upper 23 hPa

j) Self-igniting:

- k) Danger of explosion:
- I) Upper/lower flammability or explosive limits:
- m) Vapour pressure 20°C:
- n) **Density at 20°C:**
- o) Relative density:
- p) Vapour density:
- q) Evaporation rate:
- r) Solubility in/miscibility with water:
- s) **Partition coefficient:** n- octanol/water:
- t) Viscosity:
- u) Solids content:

10. STABILITY AND REACTIVITY

10.1 Reactivity:-

- No further relevant information available.
 10.2 Chemical stability:-Stable under normal handling and storage conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:**-No dangerous reactions known.

10.4 Conditions to avoid:-Protect from exposure to the light.

Keep away from heat and direct sunlight

- **10.5** Incompatible materials:-No further relevant information available.
- **10.6 Hazardous decomposition products:-**None under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects: Acute toxicity / Values relevant for classification: No further relevant information available. Skin corrosion/irritation: No irritant effect. Serious eye damage/eye irritation: No irritating effect Respiratory or skin sensitization: No sensitising effect Germ cell mutagenicity: No further relevat Reproductive toxicity: No further relevat Specific target organ toxicity - single No further relevat exposure: No further relevat

Specific target organ toxicity - repeated exposure: Aspiration hazard: Additional information: No irritant effect. No irritating effect. No sensitising effects known. No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available.

No further relevant information available.

No further relevant information available. No further relevant information available.

11.2 Information on possible routes of exposure:-Short Term (Acute) Exposure: | No fu

No further relevant information available.



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passion vision innovation

- Swallowed: Eyes: Skin: Inhaled: Long Term (Chronic) Exposure: Swallowed: Eyes: Skin: Inhaled: Event exposure related to
- 11.3 Early onset symptoms related to exposure:-
- 11.4 Delayed health effects from exposure:-
- 11.5 Exposure levels and health effects:-
- 11.6 Interactive effects:-
- 11.7 Other:-

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:-No further relevant information available.
- 12.2 Persistence/degradability:-No further relevant information available.
 12.3 Bioaccumulative potential:-
- 12.3 Bioaccumulative potential:-No further relevant information available.12.4 Mobility in soil:-
 - No further relevant information available.
- 12.5 Other adverse effects:-Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

Additional ecological information / General notes:-

Generally not hazardous for water.

12.6 Other adverse effects:-No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods:-

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

Disposal must be made according to official regulations. **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14. TRANSPORT INFORMATION

UN number ADR / IMDG / IATA:-	Void.						
UN proper shipping name or technical name:-							
ADR:	Void.						
IMDG, IATA:	Void.						
Transport hazard class(es):	Void.						
Label:	Void.						
Packaging group:	Void.						
Environmental hazards:	Not applicable. Not applicable.						
Special precautions for user:	Not applicable.						
Danger code:	Void.						
EMS Number:	Void.						
Transport in bulk according to Annex II of	Not applicable.						

No further relevant information available. No further relevant information available.

No further relevant information available. No further relevant information available.

No further relevant information available.

No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available.



MARPOL73/78 and the IBC Code: Transport/Additional information:

Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture/product:-

The product is a medical device according to the Directive 93/42/EEC.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16. OTHER INFORMATION

Key to abbreviations/acronyms used in SDS:-

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Key literature references/data sources used to compile SDS:-

Standard EN420:2003 General requirements for protective gloves: disposable gloves, e.g. nitrile rubber, material thickness 0.1 mm (Australian Standard 2161).

Long-term exposure (Level 6: < 480 min): protective gloves, e.g. nitrile rubber, material thickness 0.7 mm (Australian Standard 2161).

Personal eye protection - Eye and face protectors for occupational applications: safety glasses (Australian Standard AS 1336 and AS/NZS 1337.1:2010).

Copyright statement:-

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Abbreviations and acronyms:-

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonised System of Classification and Labelling of Chemicals.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

Flam. Liq. 2: Flammable liquids, Hazard Category 2.

Flam. Liq. 3: Flammable liquids, Hazard Category 3.

Acute Tox. 4: Acute toxicity, Hazard Category 4.

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2.

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2.

Repr. 2: Reproductive toxicity, Hazard Category 2.

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3.

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2.

Asp. Tox. 1: Aspiration hazard, Hazard Category 1.



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Disclaimer:-

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Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.

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