Virtual 380 Heavy Fast/Regular Catalyst

SAFETY DATA SHEET (GHS)

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE/PRODUCT AND MANUFACTURER/IMPORTER

1.1 Product identifier:-

Product name:	**Virtual 380 Heavy Fast Regular Catalyst**
Product number:	Void

1.2 Other means of identification:-

Not applicable.

1.3 Recommended use of the chemical and restrictions on use:-

Not applicable.

Identified uses:	Void

1.4 Details of the manufacturer and importer:-

Manufacturer:	Ivoclar Vivadent AG Bendererstrasse 2 FL-9494 Schaan PRINCIPALITY OF LIECHTENSTEIN
Importer:	Ivoclar Vivadent Pty Ltd 1- 5 Overseas Drive Noble Park North VIC 3174 Tel: + 61 3 9795 9599 Fax: + 61 3 9795 9645 Email: info@ivoclarvivadent.com
1.5 Emergency phone number:	13 11 26 Poisons Hotline (24 hours / 7 days)

2. HAZARD(S) IDENTIFICATION

2.1 GHS Classification:-

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure:
Inhalative.

2.2 GHS Label elements, including precautionary statements:-

Hazard Pictogram:

GHS08

Signal word:	Danger
Hazard-determining components of labelling:	cristobalite
Hazard statements:	H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative
Precautionary statements:	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Additional information:

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of Regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

Other hazards:-	Void	
Results of PBT and vPvB assessment;	**PBT:**	Not applicable.
	vPvB:	Not applicable.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of substances listed below with nonhazardous additions.

Ingredient name	CAS No.	Classification	Concentration
cristobalite	14464-46-1	STOT RE 1, H372	10-<25%
4- Nonylphenyl-polyethylene glycol	9016-45-9	Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; STOT SE 3, H335	0.3-<1%

· SVHC
9016-45-9 4- Nonylphenyl- polyethylene glycol

4. FIRST AID MEASURES

4.1 Description of necessary first aid measures:-

If inhaled:	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
In case of skin contact:	Rinse with water.
In case of eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
If swallowed:	Seek medical treatment
4.2 Symptoms caused by exposure:-	No further relevant information available
4.3 Medical attention and special treatment:-	No further relevant information available.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing equipment:-

Suitable extinguishing media:	CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam
Unsuitable extinguishing media:	No further relevant information available
5.2 Specific hazards arising from the substance/mixture/product:-	No further relevant information available

5.3 Special protective equipment and precautions for fire fighters:-

Special personal protective equipment:	No further relevant information available.
Precautions:	No further relevant information available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:-
Not required.

6.2 Environmental precautions:-
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and materials for containment and cleaning up:-
Pick up mechanically.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:-
Only adequately trained personnel should handle this product.
For use in dentistry only.

7.2 Conditions for safe storage, including any incompatibilities:-
Store only in the original receptacle.
Keep container tightly sealed.
Protect from heat and direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure control measures:-
Occupational exposure limits:

Component	CAS No.	Value	Parameters	Basis

Ingredients with biological limit values:

8.2 Biological monitoring:-
The lists valid during the making were used as basis.
Exposure controls / Personal protective equipment / General protective and hygienic measures:
Usual hygienic measures for dental practice.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

8.3 Control banding:-
Void

8.4 Engineering controls:-
Void

8.5 Individual protection measures include PPE:-

Eye/face protection:

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

Skin protection:

· **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. After use of gloves apply skin-cleaning agents and skin cosmetics.
· **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:**	Viscous
b)	**Colour:**	Light grey
c)	**Odour:**	Odourless
d)	**Odour threshold:**	Not determined.
e)	**pH-value (10 g/l) at 20 °C:**	Not determined.
f)	**Melting point/melting range:**	Not determined.
g)	**Boiling point/boiling range:**	Not determined.
h)	**Flash point:**	Not determined.
i)	**Ignition temperature:**	Not determined.
j)	**Self-igniting:**	Product is not self-igniting.
k)	**Danger of explosion:**	Product does not present an explosion hazard.
l)	**Upper/lower flammability or explosive limits:**	Lower: Not determined. Upper: Not determined.
m)	**Vapour pressure 20°C:**	Not determined.
n)	**Density at 20°C:**	Not determined.
o)	**Relative density:**	Not determined.
p)	**Vapour density:**	Not determined.
q)	**Evaporation rate:**	Not determined.
r)	**Solubility in / Miscibility with water:**	Not miscible or difficult to mix.
s)	**Partition coefficient: n- octanol/water:**	Not determined.
t)	**Viscosity:**	Dynamic: Not applicable. Kinematic: Not applicable.
u)	**Solids content:**	Not determined.

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 further relevant information available.

10.4 Conditions to avoid:-

No further relevant information available.

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:

Skin corrosion/irritation:	No irritant effect
Serious eye damage/eye irritation:	No irritating effect.
Respiratory or skin sensitization:	No sensitising effects known
Germ cell mutagenicity:	No further relevant information available.
Carcinogenicity:	No further relevant information available.
Reproductive toxicity:	No further relevant information available.
Specific target organ toxicity - single exposure:	No further relevant information available.
Specific target organ toxicity - repeated	No further relevant information available.

exposure:	
Aspiration hazard:	No further relevant information available.
Additional information:	

11.2 Information on possible routes of exposure:-

Short Term (Acute) Exposure:	No further relevant information available.
Swallowed:	No further relevant information available.
Eyes:	No further relevant information available.
Skin:	No further relevant information available.
Inhaled:	No further relevant information available.
Long Term (Chronic) Exposure:	No further relevant information available.
Swallowed:	No further relevant information available.
Eyes:	No further relevant information available.
Skin:	No further relevant information available.
Inhaled:	No further relevant information available.
11.3 Early onset symptoms related to exposure:-	No further relevant information available.
11.4 Delayed health effects from exposure:-	No further relevant information available.
11.5 Exposure levels and health effects:-	No further relevant information available.
11.6 Interactive effects:-	No further relevant information available.
11.7 Other:-	No further relevant information available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:-
No further relevant information available

12.2 Persistence/degradability:-
No further relevant information available.

12.3 Bioaccumulative potential:-
No further relevant information available.

12.4 Mobility in soil:-
No further relevant information available.

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

Additional ecological information / General notes:-
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.

Uncleaned packaging:
· **Recommendation:** Disposal must be made according to official regulations.

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:	Void
Special precautions for user:	Void

Danger code:	Void
EMS Number:	Void
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Void
Transport/Additional information:	Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).
UN "Model Regulation":	Void

15. REGULATORY INFORMATION

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

Substances of very high concern (SVHC) according to REACH, Article 57
9016-45-9 4- Nonylphenyl- polyethylene glycol

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Key to abbreviations/acronyms used in SDS:-	H302 Harmful if swallowed. H318 Causes serious eye damage. H335 May cause respiratory irritation. H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative. H400 Very toxic to aquatic life.

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

Void

Copyright statement:-

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.

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.

*** Data compared to the previous version altered**

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