HENRY SCHEIN®
DENTAL

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Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name:	Vertex ThermoSens
Manufacturer:	Vertex-Dental B.V.
SDS	Current version as per manufacturer as @ March 2021
Supplier Details:	Henry Schein New Zealand 23 William Pickering Drive, Albany PO Box 101 140, North Shore, Auckland 0745 Ph. 0800 808 855 www.henryschein.co.nz
Emergency Contacts:	Poisons/Hazardous Chemical Info Centre – 0800POISON/0800764766 (24 Hours) Phone 111 for Fire, Ambulance or Police
HSNO Class/Category:	Non-Hazardous
HSNO Group Standard:	Non-Hazardous
Statements/Pictograms:	As per attached Safety Data Sheet (SDS)
Date Prepared:	This coversheet was prepared - March 2021

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

Vertex Dental

SAFETY DATA SHEET

SDS ID: M-TS-2015-01-UK

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name	Vertex ThermoSens
Product description	Polymer resin based on Polyamide
Alternative names	Vertex ThermoSens

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use	Professional: Suitable for full dentures, partial dentures, tooth coloured crowns and bridges. Thermoplastic material which can be used in combination with the ThermoJect 22 for injection moulding.

Refer to Exposure Scenario Annex for further details.

1.3 Details of the supplier of the safety data sheet

Vertex-Dental B.V.
P.O. Box 10
3700 AA Zeist
The Netherlands
info@vertex-dental.com

1.4 Emergency Telephone number

Emergency telephone number: +31 30 6976749
(only available during office hours)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EG) No. 1272/2008 [CLP]..
This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements

Not applicable.

2.3 Other hazards

Not classified as PBT or vPvB. Risk of skin burns caused by hot melt.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

The product does not meet the criteria for classification in any hazard class. Substances in the product which are the main components are detailed below. The components are non-hazardous ingredients.

3.2 Mixtures

This product is not a mixture.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	In case of symptoms of irritation caused by vapour in thermal processing: provide fresh air. If necessary: get medical attention.
Skin Contact	Cool melted product on skin with plenty of water. Do not remove solidified product. In case of burns by molten product: get medical attention.

Eye Contact	Dust / fumes may cause irritation. Rinse with plenty of water.
Ingestion	Not applicable; not an expected route of exposure.

4.2 Most important symptoms and effects, both acute and delayed
Not applicable.

4.3 Indication of the immediate medical attention and special treatment needed
None necessary.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media	In case of fire, use water spray, foam, dry powder or CO2.
Unsuitable Extinguishing Media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture
Possible release in case of fire: carbon monoxide, carbon dioxide, nitric oxides, organic products of decomposition.
Under certain fire conditions, trace of other toxic product may occur

5.3 Advice for fire-fighters
A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Caution – granulate on floor may be slippery.

6.2 Environmental precautions
Avoid release to the environment

6.3 Methods and material for containment and cleaning up
Collect in containers for disposal using approved dust respirator.

6.4 Reference to other sections
See section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Do not eat, drink or smoke at the work place. In case of thermal processing, provide for extraction of vapours or adequate ventilation. Please also see the advice in Sections 8 and 11.

7.2 Conditions for safe storage, including any incompatibilities
Keep containers in a clean and dry area. Close container tightly.

7.3 Specific end use(s)
Granulate intended for thermal processing.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

According to Regulation (EC) No. 1272/2008 (CLP), this product does not meet the criteria for classification in any hazard class. There are no control parameters available

8.2 Exposure controls

Appropriate engineering controls

Do not eat, drink or smoke at the work place. In case of thermal processing, provide for extraction of the vapour or adequate ventilation. In vase of dust being formed, provide for adequate extraction.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection	Wear eye/face protection (safety spectacles/goggles).
Skin protection	The wearing of protective gloves is not required if the granulate in question is handled at room temperature. Any areas of skin covered with dust must be washed immediately with soap and water as the powder draws out natural moisture from the skin. Protective heat insulating gloves are to be used during thermal processing.
Respiratory protection	A suitable dust mask or dust respirator with filter type P2 or FFP2 (EN143 or EN 149) may be appropriate. Do not inhale vapours from hot product. Should vapours inadvertently manage to permeate into the surrounding air during thermal processing, then gas masks fitted with filters designed to combat organic vapours (e.g. A2) or breathing apparatus with an independent air supply are to be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Granules
Colour	Transparent or colored
Odour	Odorless
pH	Not applicable
Melting point	250°C
Boiling point	Not applicable
Flash point	Not applicable
Flammable Limits (lower)	Not applicable
Flammable Limits (Upper)	Not applicable
Vapour pressure	Not applicable
Solubility (Water)	Insoluble
Solubility (Other)	Not applicable
Water absorption	3,5%
Humidity absorption	1,5%
Auto ignition temperature	Not determined
Explosive properties	If dust develop, explosive dust/air mixture may form
Oxidising properties	Not applicable
Density	1,02 g/cm^3

9.2 Other information

Specific physical chemical data can be available in the product information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive material.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
When hot smelter is in contact with water, team formation will occur.

10.4 Conditions to avoid
Burning of material.

10.5 Incompatible materials
Sulfuric Acid (38% by mass).

10.6 Hazardous Decomposition Product(s)
Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx), organic products of decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects)
No harmful effects have become known as yet.

SECTION 12: ECOLOGICAL INFORMATION

This product is allowed to drain into sewers.

12.1 Toxicity
The product is a water-insoluble, solid polymer which, under environmental conditions, is not expected to have a detrimental effect on plants, animals or microorganisms.

12.2 Toxicity Persistence and degradability
The product is non-biodegradable in soil.

12.3 Bioaccumulative potential
The product has no potential for bioaccumulation.

12.4 Mobility in soil
The products is predicted to have no mobility in soil.

12.5 Results of PBT and vPvB assessment
Not classified as PBT or vPvB.

12.6 Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

The waste is considered to be non-hazardous. Clean scrap may be reprocessed. Certain packages are returnable. Please consult your local office for further details. Ensure that all packaging is disposed of safely.

13.1 Waste treatment methods
Dispose of contents in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Nummer
Not applicable.

14.2 UN Proper Shipping Name
Not applicable.

14.3 Transport hazard class(es)
Not applicable.

14.4 Packing group
Not applicable.

14.5 Environmental hazards
Not applicable.

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Regulation (EC) No 1272/2008 (Classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 107/2006.

15.2 Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out for this substance/mixture.

SECTION 16: OTHER INFORMATION

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 453/2010.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

LEGENDE

Note: Not all of the following are necessarily contained in this Safety Data Sheet:

IOELV:	Indicative Occupational Exposure Limit Value.
WEL:	Workplace Exposure Limit.
Bmgv:	Biological Monitoring Guidance Value.
Sen:	Capable of causing respiratory sensitization.
Sk:	Can be absorbed through skin.
Carc:	Capable of causing cancer and/or heritable genetic damage.
CHAN:	Chemical Hazard Alert Notice.

COM:	The company aims to control exposure in its workplace to this limit.
LTEL:	Long Term Exposure Limit.
STEL:	Short Term Exposure Limit.
TWA:	Time Weighted Average.
STOT SE:	Specific Target Organ Toxicity – Single Exposure.
Repr.:	Reproductive toxicity.
Aquatic acute/chronic:	Hazardous to the aquatic environment.

This is the end of SDS ID.: M-TS-2015-01-UK