

	<b>SAFETY DATA SHEET</b>	Revision No 1 Date of revision 21.05.2021 Printed: 21.05.2021 Page 1 with 8
	<b>VILLACRYL THERMO PRESS</b>	

## SECTION 1. Identification of the substance/mixture and identification of the company

<b><u>1.1. Product ID</u></b>		
Code:	VTPG2500, VTPG250T2, VTPG250T3, VTPG250T4	
Name	Villacryl Thermo Press	
<b><u>1.2. Relevant identified uses of the substance or mixture and uses advised against</u></b>		
Description / Application	For professional use only. Thermoplastic material for dental prostheses	
<b><u>1.3. Data on the supplier of the safety data sheet</u></b>		
Company company	Everall7 Sp. z o.o.	
Address	Augustowka 14	
City and country	02-950 Warsaw  Poland  phone: +48 22 858 82 72  Fax +48 22 642 07 14	
E-mail address of the competent person responsible for the safety data sheet		andrzej.ceglinski@everall7.pl
<b><u>1.4. Emergency telephone number</u></b>		
For urgent information, please contact	Fire brigade tel. 998, 112 or the nearest psp field unit.  Toxicological information in Poland 042 631 47 24	

## SECTION 2. Identification will endangerit.

<b>2.1. Classification of the substance or mixture.</b>	
<b>Regulation 1272/2008 (CLP) as amended and adapted.</b>	
The product is not classified as dangerous in accordance with the relevant provisions of Regulation (EC) No 1272/2008 (CLP) (and subsequent amendments and adaptations).	
Any additional information on health and/or environmental hazards is given in Sections 11 and 12 of this Charter.	
Classification and hazards:	-
<b>2.2. Marking elements.</b>	
Hazard pictograms:	-
Signal word:	-
Hazard statements:	-
Precautionary statements:	-
Safety data sheet, on request, available to authorized users	
<b>2.3. Other Hazards.</b>	
During mechanical loading of granules, friction may form dust. The threat of skin burns by hot alloy. PBT/vPvB assessment is not available because a chemical safety assessment is not necessary/not performed.	
PBT: Not applicable.	
VPvB: Not applicable	

## SECTION 3. Composition/information about ingredients.

<b>3.1. Substances.</b>	
Not applicable.	
<b>3.2. Mixtures.</b>	
Not applicable.	

## SECTION 4. First aid measures.

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<b>4.1. Description of first aid measures.</b> Pay attention to self-protection. Remove injured persons from the endangered zone. Keep warm, calmly lay and cover. Do not leave injured persons unattended.	
Eyes:	Remove contact lenses, if any. Rinse immediately, holding the tilted eyelids, with plenty of water for at least 15 minutes. If irritation occurs, call a doctor
Skin:	Cool the skin with the melted product with plenty of cold water. Do not peel off the solidified product from the skin. In case of burn with a melted product, it is necessary to provide medical assistance.
Inhalation:	Take the exposed to fresh air. If the injured person is not breathing, undertake resuscitation. Immediately call a doctor. In case of signs of irritation with steam during heat treatment: Provide access to fresh air, if necessary, provide a medical consultation. After taking the dust from the product through the respiratory tract: Take care of fresh air.
Consumption:	An unconscious person should not be given anything orally. Rinse your mouth immediately with water and then drink 200 – 300 ml of water. Do not induce vomiting. Consult your doctor immediately (show the packaging or label).
<b>4.2. The most important acute and delayed symptoms and effects of exposure.</b> Direct inhalation exposure to dusts and gases released into the atmosphere can cause respiratory irritation. The threat of skin burns by hot alloy.	
<b>4.3. Indications of any immediate medical attention and specific handling of the injured party.</b> Treat symptomatically. In case of ingestion, contact a doctor specializing in the treatment of poisoning.	
<b>SECTION 5. Fire management.</b>	
<b>5.1. Extinguishing agents.</b> Recommended extinguishing agents: Usual extinguishing agents: carbon dioxide, foam, extinguishing powders and coolant mist, sand. Not recommended extinguishing agents Strong stream of water.	
<b>5.2. Specific hazards associated with the substance or mixture.</b> Dusts that can form during friction can form explosion hazard mixtures with the air. Hazards associated with fire exposure: During combustion, the following may be released: carbon monoxide, carbon dioxide, nitrogen oxides, organic products formed from the decomposition of the product. Under certain fire conditions, there may be traces of other toxic products	
<b>5.3. Information for the fire brigade.</b> General guidelines: In the event of a fire, move the containers from the mixture to a safe place. When it is not possible to cool the endangered containers with water to prevent the product from decomposing and the formation of substances potentially harmful to health. Complete fire protection equipment should always be used. Collect the extinguishing mixture without discharge into the sewage system. Dispose of contaminated water and extinguishing residues for destruction in accordance with applicable standards. Protective equipment: Use fire-fighting clothing, i.e.: compressed air apparatus with open circuit cylinder (EN 137), fire-resistant clothing (EN469), fire-resistant gloves (EN659) and high footwear for firefighters (HO A29 or A30).	
<b>SECTION 6. Handling of unintentional release into the environment.</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures.</b> Unless there is a threat to stop the release. Use appropriate protective equipment (including personal protective equipment as specified in section 8 of the safety data sheet) to prevent infection of the skin, eyes and personal clothing. These guidelines apply to persons involved in the trade in the substance as well as in the event of an emergency.	
<b>6.2. Environmental precautions.</b> Avoid introducing granules into the sewage system. Prevent granulate from entering surface water, groundwater and soil.	
<b>6.3. Methods and materials to prevent the spread of contamination and to remove contamination.</b>	

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Collect the released product mechanically and pour it into a suitable container. Check the compatibility of the container material as specified in section 10.

Use ventilation in a place contaminated with release. Check for any incompatibilities with the container material contained in section 7. The disposal of contaminated material shall be carried out in accordance with the guidelines set out in Section 13.

### 6.4. References to Other Sections.

Information, if any, on personal protection and waste management is given in Sections 8 and 13.

## SECTION 7. Handling and storage of substances and mixtures.

### 7.1. Precautions for safe handling.

Before handling the product, please read all the instructions in this safety data sheet. Avoid releasing the product into the environment. Avoid contamination of the skin, eyes and respiratory tract. Avoid dust formation. Ensure adequate ventilation system and removal of resulting dust.

In the treatment of heat treatment, the suction of vapours or adequate ventilation at the workplace must be provided. When using, do not smoke, do not drink, do not eat.

### 7.2. Conditions for safe storage, including information on any non-compliance.

Store only in original, tightly closed containers in a dry and well-ventilated room, at a temperature not exceeding 30°C, away from sources of fire.

If dust forms: Take steps to prevent static electricity charges from forming, keep away from ignition sources.

Keep containers away from non-compatible materials by following the instructions in section 10.

### 7.3. Specific end-use(s).

Lack.

## SECTION 8. Exposure control/personal protective equipment.

### 8.1. Control parameters.

References to Standards:

Poland	Regulation of the Minister of Labour and Social Policy of 18 June 2018 on the maximum permissible concentrations and concentrations of factors harmful to health in the working environment.
OEL EU	Regulation (EU) 2017/2398; Regulation (EU) 2017/164; Order 2009/161/EU; Regulation , 2006/15/EC; Regulation 2004/37/EC; Regulation 2000/39/EC; Regulation 91/322/EEC.
TLV-ACGIH	ACGIH 2016

Substance name	CAS No	NDS (mg/m <sup>3</sup> )	NDSch (mg/m <sup>3</sup> )
Dust (total dust) (respirable dust)	-	10 4	-

### 8.2. Exposure control.

In the heat treatment, steam suction or adequate ventilation must be provided. When emitting dust, use appropriate suction.

The priority is to use appropriate technical measures in the field of personal protective equipment. Ensure efficient ventilation at the workplace using an effective local exhaust system.

If you choose personal protective equipment, seek the advice of your chemical supplier.

Personal protective equipment should be marked with the CE mark that meets the requirements of applicable standards

### HAND PROTECTION

During direct contact with the above powder at room temperature, it is not necessary to wear protective gloves. When heat treatment, protective gloves with heat insulation should be used. Use a protective cream regularly.

Gloves should be inspected before use. Removal of contaminated gloves after use in accordance with relevant regulations and good laboratory practice. Wash and dry your hands.

### SKIN PROTECTION

Use long-sleeved workwear and safety footwear for professional purposes of category I (see Directive 89/686/CEE and EN ISO 20344). The type of protective equipment must be selected according to the concentration and quantity of the hazardous substance in the specific working environment.

### EYE PROTECTION

Face shields (visors) and safety glasses. For eye protection, use equipment certified in accordance with relevant standards such as NIOSH (USA) or EN 166 (EC).

### RESPIRATORY PROTECTION

In the case of heat treatment, during which fumes can accidentally enter the respiratory system, gas masks with filters protecting against organic fumes (e.g. A2) or a breathing apparatus independent of the ambient air should be worn.

Do not inhale vapours of hot product. During direct contact with the above granules at room temperature, it is not necessary to wear

protective gloves. The limited duration of use of the respiratory protection apparatus must be observed.

### ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from ventilation units and work processes must be measured in accordance with environmental regulations

## SECTION 9. Physical and chemical properties.

### 9.1. Information on basic physical and chemical properties.

State of matter	granules
Colour	pink or colourless
Odour	Odorless
Smell threshold.	Not applicable
ph.	Not applicable
Melting/freezing point.	258 °C
Initial boiling point.	No data available
Boiling range.	not applicable
Flash point.	not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	The product is non-flammable
Lower ignition limit.	not applicable
Upper ignition limit.	It is not an explosive substance.
The lower limit of the explosion.	Not an explosive substance
The upper limit of the explosion.	Not an explosive substance
Vapour pressure.	not applicable
Vapour density	approx. 1.02 (20 °C)
Relative density.	No data available
Solubility	practically insoluble
Partition coefficient: n-octanol/water	not applicable
Auto-ignition temperature.	> 300 °C
Decomposition temperature.	no data available
Viscosity	No data available
Explosive properties	Not an explosive substance Dusts can form explosive mixtures in conjunction with air.
Oxidizing properties	The substance or mixture is not classified as oxidising

### 9.2. Other Information.

None.

## SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

No reaction is expected under the foreseeable storage and handling conditions.

### 10.2. Chemical stability.

Stable product under the recommended conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

Do not bring hot melting into contact with water (steam formation!)

### 10.4. Conditions to be avoided.

Follow the safety rules in relation to chemicals. Avoid high temperatures and direct sunlight

### 10.5. Non-Conforming Materials.

Unknown

### 10.6. Hazardous decomposition products.

Decomposition products, carbon monoxide, carbon dioxide, nitrogen oxides (NOx), organic decomposition products.

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<b>SECTION 11. Toxicological information.</b>		
Toxicological information on the interactions of the substances in the mixture is not available, possible health effects are listed on the basis of the properties of the substances contained in the mixture in accordance with the applicable classification provisions. Information on those health effects on the concentrations of dangerous substances indicated in Section 3 shall be provided.		
<b>Metabolism, toxicokinetics, mechanism of action and other information:</b> Data are not available for the mixture		
<b>Information on probable routes of exposure:</b> WORKERS: inhalation, skin contact.		
<b>Delayed, immediate and chronic effects of short- and long-term exposure</b>		
<b>Inhalation:</b> The fumes can cause irritation of the nose with the possibility of a runny nose, as well as the throat with a cough in some cases, especially in people with a particularly sensitive respiratory system. May cause irritation.		
<b>Ingestion:</b> Moderate irritation of the mouth, throat, esophagus and stomach, nausea, torsions, diarrhea, dizziness, drowsiness..		
<b>Skin:</b> Contact with hot material can cause severe skin burns...		
<b>Eyes:</b> May cause mechanical irritation when sprinkled (source: literature). Stinging and burning of the eyes after sprinkling, characteristic of foreign substances.		
<b>Effects of interaction:</b> None		
<b>Acute toxicity</b> Oral: LD50 (rat) > 5000 mg/kg (Calculated from known LD50 values of constituents relevant to the additivity rule). Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>Skin corrosion/irritation:</b> Shows virtually no clinical signs of skin contact. Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>Serious eye damage/eye irritation:</b> Not irritating. Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>Respiratory or skin sensitisation:</b> Not sensitising. Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>CMR effects (carcinogenicity, mutagenicity and reproductive toxicity)</b>		
<b>Mutagenic:</b> Does not contain substances that have a mutagenic effect on germ cells. Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>Carcinogenicity:</b> None of the components of this mixture present in amounts above 0.1% have been determined by the IARC as a probable, possible or confirmed human carcinogen. Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>Reproductive toxicity:</b> Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>Specific target organ toxicity — single exposure:</b> No data available		
<b>Specific target organ toxicity — repeated exposure:</b> No data available		
<b>Aspiration hazards:</b> Based on the available data, it does not meet the classification criteria for this hazard class.		
<b>SECTION 12. Ecological information.</b>		
When using the preparation, observe the principles of good industrial practice, avoiding discharges into the environment. In the event of the product entering watercourses or sewerage, or in the event of soil contamination or vegetation, notify the relevant authority		
<b>12.1. Toxicity.</b> Data for mixtures are not available		
<b>12.2. Stability and degradability.</b> The polymer is not biodegradable in the soil. There is no evidence of biodegradation in soil and water.		
<b>12.3. Bioaccumulative capacity.</b> The low bioaccumulation capacity.		
<b>12.4. Mobility in soil.</b> No data are available.		
<b>12.5. Results of PBT and vPvB assessment.</b> According to the available data, the product does not contain PBT or vPvB above 0.1%		

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### 12.6. Other Harmful Effects.

Lack

### SECTION 13. Waste handling.

#### 13.1. Methods of waste disposal.

If possible, hand over for disposal. Product residues belong to waste not classified as hazardous. Waste disposal should be handed over to a company with appropriate waste management permits.

Strongly avoid discharges into soil, sewerage or watercourses.

**Waste code:** 20 01 39\* Municipal waste segregated and separately collected - plastics

#### CONTAMINATED PACKAGING

Contaminated packaging should be disposed of or disposed of as an unused product by a company authorized to receive waste.

**Waste code:** 20 01 39\* Municipal waste segregated and separately collected - plastics

### SECTION 14. Transport information

The mixture is not dangerous according to the regulations in force in the field of transport of dangerous goods: road (A.D.R.), sea (IMDG Code) and air (IATA).

### SECTION 15. Regulatory information.

#### 15.1. Safety, health and environmental legislations specific to the substance and mixture.

Category Seveso: none

Restrictions on the relevant product or substances contained in accordance with Annex XVII of Regulation (EC) No 1907/2006: none.

Substances on the Candidate List (Article 59 of REACH): none.

Substances subject to authorisation (Annex XIV REACH): none.

Substances subject to export notification Roz. (EC) 649/2012: none.

Substances subject to the Rotterdam Convention: none.

Substances subject to the Stockholm Convention: none.

Medical Check-ups: None.

#### 15.2. Chemical safety assessment.

No chemical safety assessment has been made for the mixture and its substances.

### SECTION 16. Other information.

Text of the hazard information (H) given in Chapters 2 to 3 of this Charter:

#### LEGEND:

ATE	acute toxicity estimation
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement on the International Carriage of Dangerous Goods by Inland Waterways
CE50:	Effective concentration for 50% of the study population
CLP	the Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CAS #	Chemical Abstracts Service number (CAS number)
CMR	carcinogenic, mutagenic or toxic to reproduction
CSA	chemical safety assessment
CSR	chemical safety report
DNEL	derived no-altering level
ECHA	European Chemicals Agency
EC number	EINECS and ELINCS number (see also EINECS and ELINCS)
EINECS	European List of Existing Commercial Substances
Ems:	Emergency Schedule

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ECO	European Waste Catalogue (replaced by a list of wastes – see below)
GHS	GlobalLy Harmonized System
IATA	International Air Transport Association
IATA DGR	Regulations for the transport of dangerous goods in international air transport
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IC50:	Immobilisation concentration for 50% of the test population
IMDG	international maritime transport of dangerous goods
IMO:	International Maritime Organization
IMSBC	international sea transport of solid bulk cargo
INDEX NUMBER	Index number in Annex VI of the CLP text
Kow	octanol-water partition coefficient
LC50	lethal concentration for 50% of the study population
LD50	lethal dose for 50% of the study population (median lethal dose)
Low	List of wastes (see <a href="http://ec.europa.eu/environment/waste/framework/list.htm">http://ec.europa.eu/environment/waste/framework/list.htm</a> )
MSDS	safety data sheet for the substance / mixture
OEL	occupational exposure limit value
OSHA	European Agency for Safety and Health at Work
PBT	persistent, bioaccumulative and toxic
PEC	predicted concentration in the environment
PEL	expected level of exposure
PNEC	predicted no-effect concentration in the environment
EPP	personal protective equipment
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety data sheet
STOT	specific target organ toxicity
(STOT) RE	repeated exposure
(STOT) SE	single exposure
SVHC	substances of very high concern
TLV	Threshold
TLV WAR. CEILING	a concentration which must not be exceeded at any time in the working environment.
TWA STEL	Limit of short-term occupational risk
TWA	Weighted average exposure limit
VOC	Volatile organic compound
vPvB	very durable and very high bioaccumulation capacity

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) No 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) No 1272/2008 of the European Parliament (CLP)

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3. Regulation (EC) No 790/2009 of the European Parliament (I Atp.CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EC) No 286/2011 of the European Parliament (II Atp.CLP)
6. Regulation (EC) No 618/2012 of the European Parliament (III Atp.CLP)
7. Regulation (EU) No 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website

### Note to user:

The information contained in this charter is based on the knowledge we have at our disposal to develop the latest version of the card.

The user should check that the information provided is correct and comprehensive in relation to the specific use of the product.

This document may not be equated with the guarantee of any specific characteristic of the product.

Since the manufacturer does not have the possibility to directly control the use of the product, the user is obliged to comply on his own responsibility with the laws and regulations in force on hygiene and safety. The manufacturer does not assume any responsibility for improper use of the product.

Provide adequate training to persons designated to manipulate chemical products.

### Changes compared to the previous version of the Safety Data Sheet:

Revision	Date	Reference to change	Introduced by	Description of changes
1	2021-05-21	N/A	Andrew Cegliński	First edition of the document