1 Identification

· Product identifier
  · Trade name: Thermo Clone™ VPS (Regular, Fast, SuperLight, Light, Medium, Heavy)
  · Article number: 4057, 4058, 4059, 4060, 4065, 4066, 4067, 4068, 4069, 4070, 4076, 4077
  · Index number: SDS 379-001.03
  · Application of the substance / the mixture Professional Dental Impression Material

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier: Ultradent Products Inc.
    505 W. Ultradent Drive (10200 S)
    South Jordan, UT 84095-3942
    USA
    onlineordersupport@ultradent.com

  · Information department: Customer Service
  · Emergency telephone number:
    CHEMTREC (NORTH AMERICA) :(800) 424-9300
    (INTERNATIONAL) : +(703) 527-3887

2 Hazard(s) identification

· Classification of the substance or mixture
  The substance is not classified, according to the Globally Harmonized System (GHS).

· Label elements
  · GHS label elements Void
  · Hazard pictograms Void
  · Signal word Void
  · Hazard statements Void
  · Classification system:
    · NFPA ratings (scale 0 - 4)
      Health = 0
      Fire = 0
      Reactivity = 0
  · HMIS-ratings (scale 0 - 4)
    HEALTH 0
    FIRE 0
    REACTIVITY 0
  · Other hazards
    · Results of PBT and vPvB assessment
      · PBT: Not applicable.
      · vPvB: Not applicable.

(Contd. on page 2)
Trade name: Thermo Clone™ VPS (Regular, Fast, SuperLight, Light, Medium, Heavy)

3 Composition/information on ingredients

- Chemical characterization: Substances
- CAS No. Description
  Preparation of Silicone Polymers and Fillers with Platinum Catalyst (ppm range)

4 First-aid measures

- Description of first aid measures
- General information: No special measures required.
  - After inhalation: This product is a thick paste, therefore inhalation is extremely unlikely.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - After swallowing: If symptoms persist consult doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
  - Water fog
  - Foam
  - Carbon dioxide
  Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

  - PAC-1:
    Substance is not listed.

  - PAC-2:
    Substance is not listed.
Trade name: Thermo Clone™ VPS (Regular, Fast, SuperLight, Light, Medium, Heavy)

7 Handling and storage

· Handling:
· Precautions for safe handling: No special measures required.
· Information about protection against explosions and fires: No special measures required.
· Conditions for safe storage, including any incompatibilities
· Storage:
· Requirements to be met by storerooms and receptacles: No special requirements.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: See product labelling.
· Specific end use(s): Professional Dental Impression Material

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.
· Control parameters
· Components with limit values that require monitoring at the workplace: Not required.
· Additional information: The lists that were valid during the creation were used as basis.
· Exposure controls
· Personal protective equipment:
· General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
· Breathing equipment: Not required.
· Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
· Material of gloves
· Single use gloves
· Polyethylene
· Unsuitable material: NR (Natural rubber (Caoutchouc), Natural latex)
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.
· Penetration time of glove material
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· Eye protection: Goggles recommended during refilling.
· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties
· General Information
· Appearance:
· Form: Paste
### 5.0.1

**Color:**
- White
- Blue
- Orange

**Odor:**
- Bubble Gum

**Odor threshold:**
- Not determined.

**pH-value:**
- Not applicable.

**Change in condition**
- Melting point/Melting range:
  - Not applicable
- Boiling point/Boiling range:
  - Not applicable

**Flash point:**
- Not applicable

**Flammability (solid, gaseous):**
- Not applicable.

**Decomposition temperature:**
- Not determined.

**Auto igniting:**
- Not determined.

**Danger of explosion:**
- Product does not present an explosion hazard.

**Explosion limits:**
- Lower:
  - Not determined.
- Upper:
  - Not determined.

**Vapor pressure:**
- Not determined.

**Density at 20 °C:**
- 1.3-1.6 g/cm³

**Relative density**
- Not determined

**Vapor density**
- Not determined.

**Evaporation rate**
- Not determined.

**Solubility in / Miscibility with Water:**
- Insoluble

**Partition coefficient (n-octanol/water):**
- Not determined.

**Viscosity:**
- Dynamic:
  - Not determined.
- Kinematic:
  - Not determined.

**Solvent content:**
- VOC content:
  - 0.00 %
  - 0.0 g/l / 0.00 lb/gal
- VOC (EC)
  - 0.00 %

**Solids content:**
- 0.0 %

**Other information**
- No further relevant information available.

### 10 Stability and reactivity

**Reactivity**
- Stable

**Chemical stability**

**Thermal decomposition / conditions to be avoided:**
- No decomposition if used according to specifications.

**Possibility of hazardous reactions**
- No dangerous reactions known.

**Conditions to avoid**
- No further relevant information available.

**Incompatible materials**
- No further relevant information available.
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.
  - Additional toxicological information:
    Oral LD50 > 2,000 mg/kg Rat
    When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
    The substance is not subject to classification.
- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    Substance is not listed.
  - NTP (National Toxicology Program)
    Substance is not listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    Substance is not listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability No further relevant information available.
  - Behavior in environmental systems:
  - Bioaccumulative potential No further relevant information available.
  - Mobility in soil No further relevant information available.
- Additional ecological information:
  - General notes:
    Doesn't get into the sewage water as long as the process is carried out according to regulations.
    Water hazard class 1 (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation: Do not allow product to reach sewage system.
Safety Data Sheet  
acc. to OSHA HCS

Trade name: Thermo Clone™ VPS (Regular, Fast, SuperLight, Light, Medium, Heavy)  

| · Uncleaned packagings:  
| · Recommendation: Disposal must be made according to official regulations.  

## 14 Transport information

| · UN-Number  
| DOT, IMDG, IATA | not regulated  
| · UN proper shipping name  
| DOT, IMDG, IATA | not regulated  
| · Transport hazard class(es)  
| DOT, ADN, IMDG, IATA | not regulated  
| · Class  
| |  
| · Packing group  
| DOT, IMDG, IATA | not regulated  
| · Environmental hazards:  
| | Not applicable.  
| · Special precautions for user  
| | Not applicable.  
| · Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
| | Not applicable.  
| · UN "Model Regulation":  
| | not regulated  

## 15 Regulatory information

| · Safety, health and environmental regulations/legislation specific for the substance or mixture  
| · Sara  
| · Section 355 (extremely hazardous substances):  
| Substance is not listed.  
| · Section 313 (Specific toxic chemical listings):  
| Substance is not listed.  
| · TSCA (Toxic Substances Control Act):  
| Substance is not listed.  
| · Hazardous Air Pollutants  
| Substance is not listed.  
| · Proposition 65  
| · Chemicals known to cause cancer:  
| Substance is not listed.  
| · Chemicals known to cause reproductive toxicity for females:  
| Substance is not listed.  
| · Chemicals known to cause reproductive toxicity for males:  
| Substance is not listed.  
| · Chemicals known to cause developmental toxicity:  
| Substance is not listed.  

(Contd. on page 7)
Safety Data Sheet  
acc. to OSHA HCS

Trade name: Thermo Clone™ VPS (Regular, Fast, SuperLight, Light, Medium, Heavy)

<table>
<thead>
<tr>
<th>· Carcinogenic categories</th>
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<tbody>
<tr>
<td>· EPA (Environmental Protection Agency)</td>
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<tr>
<td>· TLV (Threshold Limit Value established by ACGIH)</td>
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<td>· Chemical safety assessment:</td>
</tr>
<tr>
<td>Device is biocompatible when used as directed by dental professionals per ISO 10993-1</td>
</tr>
</tbody>
</table>

16 Other information

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.

| · Department issuing SDS: Regulatory Affairs |
| · Contact: Customer Service |
| · Date of preparation / last revision 01/14/2020 / - |
| · Abbreviations and acronyms: |
| IMDG: International Maritime Code for Dangerous Goods |
| DOT: US Department of Transportation |
| IATA: International Air Transport Association |
| ACGIH: American Conference of Governmental Industrial Hygienists |
| CAS: Chemical Abstracts Service (division of the American Chemical Society) |
| NIOSH: National Institute for Occupational Safety |
| OSHA: Occupational Safety & Health |
| TLV: Threshold Limit Value |
| PEL: Permissible Exposure Limit |
| REL: Recommended Exposure Limit |

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit