

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 08/24/2010

Reviewed on 08/23/2010

1 Identification of substance:

· **Product details:**

· **Trade name: Provil novo (base + cat)**

· -

Putty, Putty soft, Dynamix Putty, Monophase, Medium,
Light (regular set, fast set)

· **Application of the substance / the preparation** Dental impression material

· **Manufacturer/Supplier:**

Heraeus Kulzer GmbH
Grüner Weg 11, D-63450 Hanau

Tel.: 0800 4372522

· **Information department:**

USA:
Cheryl Zimmerman
Tel. +1 (574) 2996662 / Fax: +1 (574) 2996614
e-mail: cheryl.zimmerman@heraeus.com

· **Emergency information:**

Call "Poisoning Emergency Center Berlin": +49 30 30686 790 (24 hours, support in english and german language)

2 Hazards identification

· **Hazard description:** not applicable

· **Information pertaining to particular dangers for man and environment**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system**

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

· **NFPA ratings for USA (scale 0-4)**



Health = 0
Fire = 1
Reactivity = 0

· **HMIS-Ratings (Scale 0-4)**

HEALTH	0
FIRE	1
REACTIVITY	0

Health = 0
Fire = 1
Reactivity = 0

3 Composition/Data on components:

· **Chemical characterization**

· **Description:**

2-component material comprising base paste and matching catalyst paste for addition curing

· **Dangerous components:** Void

· **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **General information** No special measures required.

· **After skin contact** Generally the product does not irritate the skin.

· **After eye contact** Rinse opened eye for several minutes under running water.

(Contd. on page 2)

USA

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(Contd. of page 1)

- **After swallowing**
Rinse out mouth and then drink plenty of water.
Seek immediate medical advice.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.
- **Additional information -**

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Absorb with liquid binding material (diatomite, universal binders, for small amounts tissues).
- **Additional information:**
No dangerous substances are released.
See Section 8 for information on personal protection equipment.
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7 Handling and storage

- **Handling**
 - **Information for safe handling:** No special measures required.
 - **Information about protection against explosions and fires:** No special measures required.
- **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:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **Additional information:** The lists that were valid during the creation were used as basis.
- **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:** Not required.
 - **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.
 - **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.

(Contd. on page 3)

USA

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(Contd. of page 2)

- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**
PVC or PE gloves
- **Eye protection:** Not absolutely necessary.
- **Body protection:** Light weight protective clothing

9 Physical and chemical properties:

· General Information

- **Form:** Pasty
- **Color:** According to product specification
- **Odor:** Odorless

· Change in condition

- **Melting point/Melting range:** undetermined
- **Boiling point/Boiling range:** undetermined

- **Flash point:** > 200°C (> 392°F)

- **Auto igniting:** Product is not selfigniting.

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

- **Vapor pressure at 20°C (68°F):** 18 hPa (14 mm Hg)

- **Density at 20°C (68°F):** 1.600 g/cm³

· Solubility in / Miscibility with

- **Water:** Not miscible or difficult to mix

· Solvent content:

- **Solids content:** 44.8 %

10 Stability and reactivity

- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** none

11 Toxicological information

· 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:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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.

USA

(Contd. on page 4)

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Reviewed on 08/23/2010

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(Contd. of page 3)

12 Ecological information:

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

13 Disposal considerations

- **Product:**
 - **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **DOT regulations:**
 - **Hazard class:** -
- **Land transport ADR/RID (cross-border)**
 - **ADR/RID class:** -
- **Maritime transport IMDG:**
 - **IMDG Class:** -
 - **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** -
- **Transport/Additional information:** -

15 Regulations

· SARA Section 355 (extremely hazardous substances)		
None of the ingredients is listed.		
· SARA Section 313 (specific toxic chemical listings)		
None of the ingredients is listed.		
· Prop 65 - Chemicals known to cause cancer		
None of the ingredients is listed.		
· Carcinogen categories		
· EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
· IARC (International Agency for Research on Cancer)		
14808-60-7	Quartz (SiO ₂)	1
· NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO ₂)	K
· TLV (Threshold Limit Value established by ACGIH)		
14808-60-7	Quartz (SiO ₂)	A2
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
14808-60-7	Quartz (SiO ₂)	

(Contd. on page 5)

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(Contd. of page 4)

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Markings according to EU guidelines:*Observe the general safety regulations when handling chemicals**The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.**The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).***16 Other information:***These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.***· Department issuing MSDS:** Safety department**· Contact:**

Dr. Thiele Tel.: (+49) 6181 35-3012

email: ruediger.thiele@heraeus.com

· * Data compared to the previous version altered.

USA