

# Safety data sheet

according to 1907/2006/EC

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\* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name: **Investment material liquid**

Type: ServoCast, ServoNorm, ServoQuick

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

Mixing liquid for investment material in dental technology

**Uses advised against:**

No further relevant information available.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier**

Servo-Dental GmbH & Co. KG

**Street/P.O Box**

Rohrstraße 30

**Post code/City**

58093 Hagen, Germany

**Informing department**

Technical information telephone +49(0)2331/9591-0

**Telephone / Fax / E-Mail**

+49(0)2331/9591-0 / +49(0)2331/9591-25 / info@servo-dental.de

**1.4 Emergency telephone number / E-Mail**

Poison Information Center Mainz, www.giftinfo.uni-mainz.de,  
telephone:+49 (0)6131/19240

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\* **SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:**

Void

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## 2.3 Other hazards

### Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

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## SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

Description: -

Dangerous components: Void

Additional information: For the wording of the listed hazard phrases refer to section 16.

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## \* SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

No special measures required.

#### After inhalation

Supply fresh air; consult doctor in case of symptoms.

#### After skin contact

Instantly wash with water and soap and rinse thoroughly.

#### After eye contact

Rinse opened eye for several minutes under running water.

#### After swallowing

Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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## \* SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing agents: CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Not suitable:

### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3 Advice for firefighters

Protective equipment: No special measures required.

Additional information: -

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\* **SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Not required.

**6.2 Environmental precautions**

No special measures required.

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).

**6.4 Reference to other sections**

No dangerous materials are released.

See Section 8 for information on personal protection equipment.

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\* **SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

No special measures required.

**Information about protection against explosions and fires**

No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements to be met by storerooms and containers:** No special requirements.

**Information about storage in one common storage facility:** Not required

**Further information about storage conditions:** Protect from frost.

**7.3 Specific end use(s)**

No further relevant information available.

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\* **SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical systems:**

No further data; see item 7.

**8.1 Control parameters**

**Components with critical values that require monitoring at the workplace:**

Component: formaldehyde; CAS no. : 50-00-0

Specification : MEL()

Value : Short-term value: 2.5 mg/m<sup>3</sup>, 2 ppm

Long-term value: 2.5 mg/m<sup>3</sup>, 2 ppm

Additional information: The lists that were valid during the compilation were used as basis.

**8.2 Exposure controls**

**Personal protective equipment**

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## General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

## Eye protection

not absolutely necessary.

## Protection of hands

Check protective gloves prior to each use for their proper condition.  
recommended

### Gloves

#### 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber, BR  
Nitrile rubber, NBR

## Body protection:

Light weight protective clothing

## Breathing equipment

Not required.

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## \* SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

- Appearance / Form:	Fluid
- Colour :	whitish
Smell:	Odourless
Odour threshold:	Not determined.
pH value :	9,5 @ 20 °C
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	100 °C
Flash point:	Not applicable.
Inflammability (solid, gaseous):	Not applicable.
Critical values for inflammability explosion:	Not determined.
Steam pressure:	23 hPa @ 20 °C
Steam density :	Not applicable.
Relative density:	1,2 g/cm <sup>3</sup> @ 20°C
Solubility in / Miscibility with:	Fully miscible
Partition coefficient (n-octanol/water):	Not determined.
Self-inflammability:	Product is not selfigniting.
Decomposition temperature:	Not determined.

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Viscosity:	Not determined.
Danger of explosion:	Product is not explosive.

## 9.2 Other information

No further relevant information available.

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### \* SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No further relevant information available.

#### 10.2 Chemical stability

Conditions to be avoided:  
No decomposition if used and stored according to specifications.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

#### 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

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### \* SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

##### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

##### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

##### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

##### **Carcinogenicity**

Based on available data, the classification criteria are not met.

##### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

##### **STOT-single exposure**

Based on available data, the classification criteria are not met.

##### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

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## Aspiration hazard

Based on available data, the classification criteria are not met.

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## \* SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: No further relevant information available.

### 12.2 Persistence and 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 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Other adverse effects

No further relevant information available.

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## \* SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Recommendation: Smaller quantities can be disposed with household garbage.

#### Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

#### European waste catalogue

18 01 06 chemicals consisting of or containing dangerous substances

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## \* SECTION 14: Transport information

### 14.1 UN Number

ADR, ADN, IMDG, IATA: Void

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA: Void

### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA: Void

### 14.4 Packing group

ADR, IMDG, IATA: Void

### 14.5 Environmental hazards

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Marine Pollutant:  yes /  no

## 14.6 Special precautions for user

Not applicable.

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information: -

UN "Model Regulation": Void

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## \* **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

· Water hazard class: Generally not hazardous for water.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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## **SECTION 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.

### **Changes compared to the previous version**

\* Data compared to the previous version altered

### **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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

### **Wording of hazard phrases and precautionary phrases listed in Sections 2 to 15**

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