



## 1 Identification of the mixture/substance and of the company

### 1.1 Product identifier

Trade name: **NOVOsin, NOVOsin rapid Powder**

Article number: Article number starting with F09, F10

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

Relevant identified uses: Mixture for the production of dental restorations

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

**Manufacturer/Supplier:**

Novodent Ets.  
Industriestrasse 32  
9487-Bendern  
Principality of Liechtenstein

Tel: +423 377 15-00, Fax: +423 377 15-09, Email: [msds@novodent.com](mailto:msds@novodent.com)

### 1.4 Emergenx telephone number

+423 377 1500 ( Novodent Ets., 9492 Eschen, Fürstentum Liechtenstein )

## 2 Hazards identification

### 2.1 Classification of the substance or mixture according to (EC) Nr. 1272/2008

All.irrit H317

### 2.2 Labelling according to regulation (EC) Nr.1272/2008

Pictograms and signal word



**Signal word:** Attention

**Hazard-determining components of labelling:**

No



#### **Hazard statements**

H317 May cause an allergic skin reaction.

#### **Precautionary statements**

P101 Keep out of reach of children.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P262 Do you not get in eyes, on skin, or in clothing.  
P261 Avoid breathing dust/fume/gas/mist/capours/spray.  
P501 Dispose of contents in accordance with local/regional/international regulations.

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### **2.3 Other hazards**

Dust generation

Particular danger of slipping on leaked/spilled product.



### 3 Composition / information on ingredients

#### 3.1 Substances

This product is a mixture

#### 3.2 Mixtures: Composition / information on ingredients

|                          |                                                                                                  |       |
|--------------------------|--------------------------------------------------------------------------------------------------|-------|
| CAS Nr: 9011-14-7        | Polymethylmethacrylate<br><u>Classification according to regulation (EC) Nr.1272/2008:</u><br>No | > 95% |
| <b>Dangerous content</b> |                                                                                                  |       |
| CAS Nr: 94-36-0          | Benzoylperoxide                                                                                  | < 1%  |

### 4 First aid measures

#### 4.1 Description of first aid measures:

##### General information

In case of occurrence of health disorders doctor.

##### After inhalation

Supply fresh air and to be sure call for a doctor.

##### After skin contact

Rinse with water. If skin irritation continues, consult a doctor.

##### After eye contact

Rinse open eye for several minutes under running water. If symptoms persist, consult a doctor.

##### After swallowing

Rinse out mouth and then drink plenty of water. If symptoms persist consult a doctor.

#### 4.2 Important acute and delayed symptoms and effects

Nothing is known.

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

No further relevant information available.



## 5 Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents**

No

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

No

### 5.3 Advice for firefighters

No

## 6 Accidental release measures

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

Use protective equipment as per section 8. Avoid formation of dust

### 6.2 Environmental protection

Do not allow to enter sewers/ surface or ground water.

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

Pick up mechanically.

### 6.4 Reference to other sections

See section 7,8 for information on personal protection equipment and safe handling.

## 7 Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling**

Only adequately trained personnel should handle this product. For use in dentistry only

**Information about fire and explosion protection**

No special measures required.



## 7.2 Condition for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

No special measures required.

### Advice on storage compatibility

Store only in original receptacle.

### Further information on storage conditions

Protect from heat and direct sunlight.

### Storage class VbF

Not applicable

## 7.3 Specific end use(s)

For more information, please refer to our instructions for use.

## 8 Limitation and supervision of exposure / personal protective equipment

### 8.1 Control parameters

| Components with workplace control parameters to |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Dibenzoyl peroxid<br>CAS 94-36-0                |                                                                                  |
| MAK (Switzerland)                               | Short-term value 5 e mg/m <sup>3</sup><br>Long-term value 5 e mg/m <sup>3</sup>  |
| MAK (Austria)                                   | Short-term value 10 E mg/m <sup>3</sup><br>Long-term value 5 E mg/m <sup>3</sup> |
| AGW (Germany)                                   | 5 E mg/m <sup>3</sup><br>1(l); DFG                                               |

### 8.2 Exposure controls and personal protection

#### Additional information about design of technical plant

No further data, see section 7

#### Additional note

The list is valid during the manufacturing process as a basis.

#### Personal protective equipment



#### General protection and hygiene measures

Usual hygienic measures for dental practice. Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work. Avoid contact with the skin and eyes.

#### Respiratory protection

Use respiratory protective device against the effects of dust.

#### Protection hands

Disposable gloves butyl rubber, layer thickness 0,7mm, permeation (min) >480  
Disposable gloves nitrile rubber, layer thickness 0,4mm, permeation (min) >120

The exact break through time has to be requested from the protective shoe manufacturer and must be observed.

#### Eye protection

Use safety glasses with side-shields conforming EN 166:2001

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Form:** Powder  
**Farbe:** According to product specification  
**Smell:** Characteristic

#### Value / Unit method

|                                               |                                           |
|-----------------------------------------------|-------------------------------------------|
| <b>Change in condition</b>                    |                                           |
| <b>Melting point / Melting range</b>          | 150°C (302°F)                             |
| <b>Boiling point / Boiling range</b>          | not determined                            |
| <b>Flash point:</b>                           | 250°C (482°F)                             |
| <b>Self-igniting:</b>                         | Product ist not selfigniting              |
| <b>Explosion limits:</b>                      | Product does not present explosion hazard |
| <b>Density:</b>                               | at 20°C (68°F) 1,2g/cm <sup>3</sup>       |
| <b>Solubility in / Miscibility with water</b> | insoluble                                 |
| <b>Solvent content: organic solvent:</b>      | 0,000 %                                   |
| <b>Solids content:</b>                        | 100,0 %                                   |

### 9.2 Other information

No

## 10 Stability and reactivity

### 10.1 Reactivity

When used as directed, there is no decomposition

Thermal decomposition: >250°C (482°F) Hazardous decomposition products: can at elevated temperature



Decompose formation of potentially irritating vapors (methylmethacrylate)

## **10.2 Chemical stability**

Stable under normal handling and storage conditions.

## **10.3 Possibility of hazardous reactions**

No dangerous reactions known.

## **10.4 Conditions to avoid**

No further information available.

## **10.5 Incompatible materials**

No further information available.

## **10.6 Hazardous decomposition products**

No

# **11 Toxicological information**

## **11.1 Information on toxicological effects**

There are no toxicological findings to the mixture.

### **Irritation**

May irritate the skin. Irritating the eyes and mucous membranes.

### **Corrosivity**

No

### **Sensitization**

Skin contact may sensitization.

### **Repeated dose toxicity**

Not tested

### **Carcinogenicity**

Not tested

### **Mutagenicity**



Not tested

**Reproductive toxicity**

Not tested

**More information**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for preparations as issued in the latest version: irritant

## **12 Ecological information**

### **12.1 Toxicity**

Aquatic toxicity: 1 (Listeneinstufung): low hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage systems.

### **12.2 Persistence and degradability**

No further relevant information available.

### **12.3 Bioaccumulative**

No further relevant information available.

### **12.4 Mobility in soil**

No further relevant information available.

### **12.5 Results of PBT and vPvB assessment**

Not applicable.

### **12.6 Other adverse effects**

No data available.

## **13 Disposal considerations**

### **13.1 Waste treatment methods**

**Recommendation**

Take to an approved landfill or waste incineration plant, under conditions approved by the local authority.

**Waste key**

20 01 39 Acrylics

**Packaging**



**Contaminated packaging**

Disposal according to official regulations

**Open rinsed packaging**

Disposed in household waste

|                                 |
|---------------------------------|
| <b>14 Transport information</b> |
|---------------------------------|

**14.1 UN-Number**

Not applicable

**14.2 Properly UN shipping name**

**ADR-RID Land transport**

Not applicable

**IMDG-Code Maritime**

Not applicable

**ICAO-TI / IATA-DGR Air transport**

Not applicable

**14.3 Transport hazard class**

Not applicable

**14.4 Packaging group**

III (Substances presenting low danger)

**14.5 Environmental hazards**

Water hazard class WGK 1 (Self-assessment: slightly hazardous for water)

**14.6 Special precautions for user**

Show section 6-8

**14.7 Transport in bulk**

Not applicable



## 15 Legislation

### 15.1 Safety, health and environmental regulations / legislation specific

#### Labelling according to EU guidelines

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version. The Product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials /GefStoffV). Observe the normal safety regulations when handling chemicals.

#### National regulations

#### Employment restrictions VbF

Not applicable

#### Water hazard class

WGK 1 (Self-assessment): slightly hazardous for water

### 15.2 Material safety assessment

The mixture was not subjected to safety assessment

## 16 Other information

The product is a medical device according to the EC-directive 93/42/EEC

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.

Safety data sheet creation of

**NOVODENT ETS. Industriestrasse 32, 9487 Bendern, Principality of Liechtenstein**