

## 1. Chemical Product and Company Identification

**Product name:**

Novaseal

**Application of the product:**

Light curing lining material

**Manufacturer:**

President Dental Gmbh

**Street:**

Zehentstadelweg 7

**Zip-Code / Town**

81247 Munchen - Germany

**Contact for technical information**

+49 (0) 203 39228772

**Phone / Fax / E-Mail**

+49 89 127 660 240 / +49 89 127 660 269 / info@presidentdental.de

**Emergency information:**

Mr.Mehmet Dogan

phone: +49 (0) 203 39228772

## 2. Hazard Identification

**Potential Hazards**

Irritant

Categorization: R36/37/38  
H319, H315, H335

**Additional hazard advices for human and environment**

None

### 3. Composition/Information on Ingredients

#### Chemical characterization:

#### Hazardous ingredients:

Stoff	Cas-Nr./EINECS-Nr./EG-Nr.	Gehalt (%)	Kennzeichnung
Glasionomerpulver		0-40 %	Xi, R36/37/38 H319, H335, H315
1,6-Hexandioldimethacrylat	CAS-Nr. 6606-59-3 EINECS-Nr. 229-551-7	0-10 %	Xi, R36/37/38 N, R51/53 H319, H335, H315, H411
Bisphenol-A-bis (hydroxypropylmethacrylat), Isomere	CAS-Nr. 1565-94-2	0-15 %	Xi, R36/37 H319, H335
4-tert.-Butyl-N,N- dimethylaniline	CAS-Nr. 2909-79-7 EG-Nr. 220-824-6	0-0,10 %	Xn, R20/21/22 Xi, R36/37/38 H302, H312, H332, H319, H335, H315
Campherchinon		0-0,10 %	Xi, R36/37/38 H319, H335, H315

### 4. First-Aid-Measures

#### General Advices

Take off with product contaminated clothes.

#### After skin contact

Wash off skin with soap and water.

Contact a physician if the skin is irritated.

#### After eye contact

Rinse eyes an efficient time.

Contact ophthalmologist if irritation is persisting.

#### After inhalation

Take person to fresh air.

In the event of symptoms reerffor medical treatment

#### After swallowing

Seek medical advice immediately.

## **5. Fire-fighting-measures**

### **Suitable extinguishing agents**

Foam, extinguishing powder, carbon dioxide, water spray  
Adjust fire-fighting-measures to ambiance.

### **For safety reasons unsuitable extinguishing media**

None known

### **Particular danger through the product itself, its combustion products or gases**

None

### **Protective equipment for fire-fighters**

Use conventional measures to combat chemical fires, that means use conventional self-contained breathing apparatus (isolating-unit).

### **Further information**

None

## **6. Accidental release measures**

### **Personal precautions**

Arrange for fresh air.

### **Environmental protection measures**

Do not drain into canalization.

### **Methods for cleaning / absorption**

Take up mechanically.

Apply to local services

## **7. Handling and storage**

### **Handling**

The conventional precautions for works with chemicals are to be adhered.  
Wear overall while working.

### **Hygiene measures**

Keep away from food, drink and animal feedingstuffs. When using do not eat, drink or smoke.  
Take off contaminated clothing immediately. Avoid contact with skin and eyes.

### **Information about fire and explosion protection**

None

### **Storage conditions**

Store cool, dry, protected against light and tightly closed.

Store in a well-ventilated place.

Storage time: 3 years if storage conditions will be kept

## 8. Exposure Controls / Personal Protection

### Limit values for the exposition at work station and / or biological limit values

#### Work station limit values (AGW) Germany

PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

#### Personal protective equipment

**Pay attention of protection- and hygienic measures. Protection clothes must be stored separately.**

The usual precaution measures must be attended.

Breathing protection: not necessary

Eye protection: Wear protection goggles

Hand protection: Sensibilisation: Wearing of applicable protection gloves is recommended. (by experience of the past / literature) for H [ D P S O H ( W-glo K Lves S D for U D5-10 W minutes, application of No-touch-Technik, minimal-contact-techniques is recommended

Body protection: Wear business usual protection clothes.

Other protection measures none

Advices for hygienic at work station: Comply business usual protection- and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work.

## 9. Physical and Chemical Properties

### Appearance

Appearance: pasty material  
Colour: yellowish  
Odour/Flavour: acrylates /methacrylates

### Safety relevant data

Flash point: not determined  
PH-value: not determined  
Vapor pressure : not determined  
Density: not determined  
Solubility in water: insoluble

## 10. Stability and Reactivity

### Conditions to avoid

Protect from heat, sunlight and influence of light. Cures with exposure to UV light.

**Substances to avoid** Free radicals, reducing agents, heavy-metal ions.

### Hazardous decomposition products

In case of fire acrid acrylic fumes.

### Further information

None

## 11. Toxicological Information

### Acute Toxicity

At skin:	irritation
At eyes:	irritation
At respiratory system:	irritation

### Kinetic of the toxic reaction

According to the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data is not available.

### Further information

By appropriate exposure and conventional use and to our experiences and information the product causes no hazardous effects.

### General information

none

## 12. Ecological Information

### General information

Fish toxicity:	not applicable
Water organism:	not applicable
Bacteria toxicity:	not applicable

### Persistence and degradability

Duration:	not applicable
Test method:	not applicable
Evaluation:	not applicable

### Further detail to ecology

Do not allow product to reach ground water, body of waters or sewage system.

### Bioaccumulation potential

No data available

### Effect of the determination of the PTB- and vPvB-Report

Endocrine disruption potential: all the material causes hormonal effects or prevents them is unknown to us.

### 13. Disposal Considerations

#### Substance / Preparation

To dispose of accordingly with notice of the local regulations of authority.  
Do not empty into drains.

#### Disposal key according to AVV regulation

16 03 05organic wastes containing dangerous substances

#### Package

Packages that are not contaminated can be recycled.

### 14. Transport information / Rules Land transport

#### ADR

Class:	Not a dangerous good according to the transport regulations
UN-Number:	-
Classification code:	-
Description of the good:	Light curing cavity liner
Packaging group:	-
Hazard sheet:	-
Symbol:	-

#### Rail transport RID

Class:	Not a dangerous good according to the transport regulations
Classification code:	-
UN-Number:	-
Packaging group:	-
Hazard sheet:	-
Symbol:	-

#### Inland water transport ADN

Class:	Not a dangerous good according to the transport regulations
Classification code:	-
UN-Number:	-
Packaging group:	-
Hazard sheet:	-
Symbol:	-

#### Maritime transport IMDG

Class:	Not a dangerous good according to the transport regulations
EmS:	-
Classification code:	-
UN-Number:	-
Packaging group:	-
Hazard sheet:	-
Symbol:	-

**Material Safety Data Sheet**  
**according to decree (EC) No. 1907 / 2006**

Revision date:

MSDS,GB, Novaseal, 01.02.2013, dp, rev 00.doc

**Air transport IATA**

Class: Not a dangerous good according to the transport regulations  
Packaging-Instruction (cargo) -  
Packaging-Instruction (passenger)-  
UN-Number: -  
Packaging group: -  
Hazard sheet: -  
Symbol: -

**15. Regulatory Information**

**Labelling according EU guidelines**

**Code letter and hazard description of the product:**



Xi; irritant  
R36/37/38 Irritating to eyes, respiratory system and skin

**GHS-Labelling:**



H319 Causes serious eye irritation  
H315 Causes skin irritation  
H335 May cause respiratory irritation

Caution

**Hazard decisive components**

Contains:-

**Safety Assessments**

Safety Assessments for substances in this preparation were not executed

**National Rules**

Water Hazard Class 2 (Estimation on the basis of the ingredients)

**16. Further Information**

**Further applicable EG Guidelines**

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC. Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC. REACH-Guideline (EC) No. 1907/2006

For dental use only

**R-phrases on which is referred in chapter 2 and 3**

R36/37/38 Irritating to eyes, respiratory system and skin

Date of printing: 29.01.2013

**Material Safety Data Sheet**  
**according to decree (EC) No. 1907 / 2006**

Revision date:

MSDS,GB, Novaseal, 01.02.2013, dp, rev 00.doc

**Changes compared to the last version**

Change of GHS-Labeling  
Change of Composition/Information on Ingredients  
Change of Fire-fighting-measure  
Change of Handling and storage  
Change of Exposure Controls / Personal Protection  
Change of Physical and Chemical Properties  
Change of Toxicological Information  
Change of Ecological Information  
Change of Disposal Considerations

**Department issuing MSDS:**

Mr.Mehmet Dogan  
phone: +49 (0) 203 39228772

**Additional Information:**

Origin: <sup>1</sup> <http://www.baua.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006

**Disclaimer of Liability**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.