

# Material Safety Data Sheet according to (EC) 1907/2006



for the powder

Tradename:

**DURASPLINT® polymer**

Status: 29.04.2021  
Page: 1 von 7

## SECTION 1: Identification of the substance/preparation and of the company/undertaking

### 1.1. Product identifier

Name of product: **DURASPLINT® polymer**

Product group: Powder component

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

#### Use of the substance/mixture

Creation of dental products.

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

#### Manufacturer / distributor

SCHEU DENTAL GmbH  
Am Burgberg 20  
D-58642 Iserlohn  
Tel. +49 (2374) 9288-0  
Fax +49 (2374) 9288-90

eMail: [service@SCHEU-DENTAL.com](mailto:service@SCHEU-DENTAL.com)  
Internet: [www.SCHEU-DENTAL.com](http://www.SCHEU-DENTAL.com)

**1.4. Emergency telephone number:** +49 (2374) 9288-0

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008 [CLP]

#### Hazard statements

H412	Harmful to aquatic life with long lasting effects.
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#### Precautionary statements

P273	Avoid release to the environment.
P501	Dispose of contents/container as hazardous waste - in accordance with local and national legislation - to appropriate, approved combustible organic waste incinerator.

#### Special labelling of certain mixtures

EUH208	Contains dibenzoyl peroxide; benzoyl peroxide. May produce an allergic reaction.
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### 2.3. Other hazards

Contains Methyl methacrylate, dibenzoyl peroxide. May produce an allergic reaction.

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

Mixture on base of acrylic powder and catalyst.

# Material Safety Data Sheet according to (EC) 1907/2006

for the powder

Tradename:

**DURASPLINT® polymer**



Status: 29.04.2021  
Page: 2 von 7

## Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
9011-14-7	Acrylic polymer			95 - <= 100 %
94-36-0	Dibenzoyl peroxide; benzoyl peroxide			< 1 %
	202-327-6		01-2119511472-50	
	Org. Perox. B, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H241 H319 H317 H400 H410			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- General information:** First responders need to protect themselves. Bring affected persons out of the danger area. Get medical advice if you feel unwell.
- After inhalation:** Provide fresh air.
- After contact with skin:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse.
- After contact with eyes:** Rinse immediately carefully and thoroughly with eye-bath or water.
- After ingestion:** Rinse mouth immediately and drink plenty of water.

### 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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.  
Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Full water jet.

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

In case of fire can be released: Carbon monoxide, carbon dioxide, organic decomposition products.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

# Material Safety Data Sheet according to (EC) 1907/2006

for the powder

Tradename:

**DURASPLINT® polymer**



Status: 29.04.2021  
Page: 3 von 7

## SECTION 6: Accidental release measures

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

Avoid dust formation. Do not breathe dust.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### **Other information**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

No special measures are necessary.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Requirements for storage rooms and vessels**

Keep container tightly closed.

#### **Advice on storage compatibility**

No special measures are necessary.

### 7.3. Specific end use(s)

Manufacture of dental products.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

#### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
94-36-0	Dibenzoyl peroxide	-	5		TWA (8h)	WEL

### 8.2. Exposure controls

#### **Protective and hygiene measures:**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### **Eye/face protection**

Wear eye/face protection.

#### **Respiratory protection**

A suitable dust mask or respirator with filter type P1 or FFP1 (EN143 or EN149) may be suitable. In the unlikely event that particularly large amounts of dust are formed, a self-contained breathing apparatus may be appropriate.

# Material Safety Data Sheet according to (EC) 1907/2006

for the powder

Tradename:

**DURASPLINT® polymer**



Status: 29.04.2021  
Page: 4 von 7

## Hand protection

Material: Protective gloves against mechanical risks according to EN 388

Additional information: Protective gloves should be changed regularly, especially after intensive contact with the product, Gloves must be removed and replaced if they show signs of wear and tear or chemical breakthroughs., A suitable glove type must be selected for each workplace., Please provide information on the Note glove suppliers with regard to permeability and breakthrough time. Also take into account the specific local

## Skin protection

Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### General Information

Physical state	powder
Colour	see packaging
Odour	characteristic
pH-Value:	not determined

#### Changes in the physical state

Melting point	ca. 110 °C
Initial boiling point and boiling range	not determined
Flash point	> 250 °C
Flammability	
Solid	not determined
Gas	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature	> 400 °C
<b>Auto-ignition temperature</b>	
Solid	not determined
Gas	not applicable
Decomposition temperature	not determined
Oxidizing properties	not oxidizing
Vapour pressure	not determined
Density	1.16 g/cm <sup>3</sup> at 20 °C
Bulk density	700 – 750 kg/m <sup>3</sup>
Water solubility	The study does not need to be conducted because the substance is known to be
<b>Solubility in other solvents</b>	soluble in hydrocarbons
Partition coefficient	not determined
Vapour density	not determined
Evaporation rate	not determined

### 9.2. Other information

Solid content 100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

# Material Safety Data Sheet according to (EC) 1907/2006

for the powder

Tradename:

**DURASPLINT® polymer**



Status: 29.04.2021  
Page: 5 von 7

## **10.4. Conditions to avoid**

None.

## **10.5. Incompatible materials**

No further relevant information available.

## **10.6. Hazardous decomposition products**

Exothermic decomposition with formation of: Methyl methacrylate

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## **SECTION 11: Toxicological Information**

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### **11.1. Information on toxicological effects**

#### **Toxicokinetics, metabolism and distribution**

The product has not been tested for toxicity.

#### **Acute toxicity**

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

#### **Irritation and corrosivity**

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

#### **Sensitising effects**

Contains dibenzoyl peroxide; benzoyl peroxide. May produce an allergic reaction.

#### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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.

#### **Aspiration hazard**

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

#### **Additional information on tests**

The mixture is classified as not hazardous according to Directive 1999/45/EC.

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## **SECTION 12: Ecological Information**

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### **12.1. Toxicity**

The product is not: Ecotoxic.

### **12.2. Persistence and degradability**

The product has not been tested.

### **12.3. Bioaccumulative potential**

The product has not been tested.

### **12.4. Mobility in soil**

The product has not been tested.

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

The product has not been tested.

### **12.6. Endocrine disrupting properties**

No further relevant information available.

### **12.7. Other adverse effects**

No further relevant information available.

# Material Safety Data Sheet according to (EC) 1907/2006

for the powder

Tradename:

**DURASPLINT® polymer**



Status: 29.04.2021  
Page: 6 von 7

## Further information:

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### Waste disposal of contaminated packaging

Wash with plenty of water. Completely emptied packings can be recycled.

## SECTION 14: Transport Information

### Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	

### Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	

### Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	

### Air transport (ICAO)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

**Material Safety Data Sheet** according to (EC) 1907/2006

for the powder

Tradename:

**DURASPLINT® polymer**
 Status: 29.04.2021  
 Page: 7 von 7
**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Water contaminating class (D):	1-slightly water contaminating

**15.2. Chemical Safety Assessment**

Chemical safety assessment for substances in this mixture were not carried out.

**SECTION 16: Other Information****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 Harmonized 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)
LC50	Lethal concentration, 50 %
LD50	Lethal dose, 50 %

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains dibenzoyl peroxide; benzoyl peroxide. May produce an allergic reaction.

**Further information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.