

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



Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019

Page: 1 von 6

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

### 1.1. Product identifier

Name of product: **DURASPLINT<sup>®</sup> flex Polymer**

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

#### Use of the substance/mixture

Powder-liquid-system for making individual orthodontic mouldings.

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

#### Manufacturer / distributor

pro3dure GmbH

Am Burgberg 13

D-58642 Iserlohn

Tel. +49 (2374) 9200500

Fax +49 (2374) 92005050

eMail: [info@pro3dure.com](mailto:info@pro3dure.com)

Internet: [www.pro3dure.com](http://www.pro3dure.com)

**1.4. Emergency telephone number:** +49 (2374) 9200500

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin Sens. 1/1A/1B, H317

Aquatic Chronic 3, H412

### 2.2. Label elements

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

#### Hazardous component for Labelling:

Dibenzoylperoxide

**Hazard pictogram:** GHS07

**Signal word:** Warning



#### Hazard statements:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+352 IF ON SKIN: Wash with plenty of water and soap.

P321 Specific treatment (see? on this label).

P333+313 If skin irritation or rash occurs: Get medical advice / attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents / container to

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



Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019

Page: 2 von 6

## 2.3. Other hazards

Dibenzoylperoxide. May produce an allergic reaction.

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## **SECTION 3: Composition / information on ingredients**

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### 3.1. Substances

not applicable

### 3.2. Mixtures

Mixture related information

#### **Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Index No		
REACH-No		
	Polymethylmethacrylat, homopolymer	99 %
9011-14-7		
202-327-6	Dibenzoylperoxide	1 %
94-36-0	Skin Sens. 1/1A/1B, H317; Aquatic Chronic 3, H412	
617-008-00-0		

#### **Additional information**

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

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## **SECTION 4: First aid measures**

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### 4.1. Description of first aid measures

- General information:** In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off immediately all contaminated clothing.
- After inhalation:** Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration. Call a physician immediately.
- After contact with skin:** Wash immediately with water and soap.
- After contact with eyes:** In case of contact with eyes, rinse immediately with plenty of lowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
- After ingestion:** If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### 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.

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## **SECTION 5: Firefighting measures**

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### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Water fog. High power water jet. Carbon dioxide (CO<sub>2</sub>). Foam. Dry extinguishing powder.

#### **Unsuitable extinguishing media for safety reasons**

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

In case of fire may be liberated: Pyrolysis products, toxic.

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



Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019

Page: 3 von 6

## **5.3. Advice for firefighters**

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

## **Special protective equipment for fire-fighters:**

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## **Additional information**

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## **SECTION 6: Accidental release measures**

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

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

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

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## **SECTION 7: Handling and Storage**

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### **7.1. Precautions for safe handling**

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

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

Only use the material in places where open light, fire and other flammable sources can be kept away. Always close containers tightly after the removal of product. Use only in well-ventilated areas.

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

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

Keep container tightly closed in a cool, well-ventilated place. Optimal storage temperature: 5 – 9 °C.

Ensure adequate ventilation of the storage area. Keep away from sources of ignition – No smoking. Keep / Store only in original container. Keep container tightly closed. Protect against: heat. Air. moisture. Provide earthing of containers, equipment, pumps and ventilation facilities.

#### **Hints on joint storage**

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### **7.3. Specific end use(s)**

Observe instructions for use.

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

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### **8.1. Control parameters**

#### **Occupational exposure limit value**

Substance with a common (EC) occupational exposure limit value.

#### **DNEL-/PNEC-values**

DNEL value

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

Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019

Page: 4 von 6

PNEC Value

**8.2. Exposure controls**

Occupational exposure controls:

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**General protection and hygiene measures:**

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: insufficient ventilation Suitable respiratory protection apparatus: Self-contained respirator (breathing apparatus) (DIN EN 133).

**Hand protection**

Tested protective gloves are to be worn: DIN-/EN-Norms: DIN EN 374

**Eye/face protection**

Tightly sealed safety glasses.

**Skin protection**

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing. Barrier creams are not substitutes for body protection.

Environmental exposure controls

-

Consumer exposure controls

-

Exposure Scenario

-

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****General Information**

Physical state	powder
Colour	white
Odour	-
pH-Value:	no data available

**Changes in the physical state**

Melting point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Flammability	no data available
Solid	no data available
Gas	no data available
Lower explosion limits:	no data available
Upper explosion limits:	no data available
Ignition temperature	no data available
<b>Auto-ignition temperature</b>	
Solid	no data available
Gas	no data available
Decomposition temperature	no data available
Vapour pressure	no data available
Density	1.1 g/cm <sup>3</sup> at 20 °C

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



Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019  
Page: 5 von 6

Bulk density	no data available
Water solubility	no data available
<b>Solubility in other solvents</b>	no data available
Dynamic viscosity	no data available

## 9.2. Other information

none

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## **SECTION 10: Stability and reactivity**

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### 10.1. Reactivity

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### 10.2. Chemical stability

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### 10.3. Possibility of hazardous reactions

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### 10.4. Conditions to avoid

Oxidizing agents.

### 10.5. Incompatible materials

Acid. Base. Reducing agent. Metal.

### 10.6. Hazardous decomposition products

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## **SECTION 11: Toxicological Information**

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### 11.1. Information on toxicological effects

There are no data available on the preparation/mixture itself.

**M-factor:** -

**Acute toxicity (oral):** -

**Acute toxicity (dermal):** -

**Acute toxicity (inhalative):** -

### **Acute toxicity**

Substance:	CAS-No.:	Toxicological information
Dibenzoylperoxide	94-36-0	
Polymethylmethacrylate, homopolymer	9011-14-7	

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

No information available.

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

No information available

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

No information available

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

Carcinogenicity:

-

Germ cell mutagenicity:

-

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



Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019

Page: 6 von 6

Reproductive toxicity:

-

STOT-single exposure:

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STOT-repeated expose:

-

Aspiration hazard:

No information available.

Further information

The mixture is classified as not hazardous.

## SECTION 12: Ecological Information

### 12.1. Toxicity

There are no data available on the preparation/mixture itself.

### Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
Dibenzoylperoxide	94-36-0	
Polymethylacrylat, homopolymer	9011-14-7	

### 12.2. Persistence and degradability

There are no data available on the preparation/mixture itself.

### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

### 12.4. Mobility in soil

There are no data available on the mixture itself.

### 12.5. Results of PBT an vPvB assessment

There are no data available on the mixture itself.

### 12.6. Other adverse effects

There are no data available on the mixture itself.

Further information:

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate disposal / Product:

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Appropriate disposal / Package:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

List of proposed waste codes / waste designations according to EWC / AVV

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Waste key product:

-

Waste key packaging:

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

Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019

Page: 7 von 6

**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

**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

Information on Regulation (EC) No. 166/2006 establishing a European Pollutant Release and Transfer Register:

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Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer:

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Regulation (EC) No. 648/2004 (Detergents regulation)

-

Regulation (EC) No. 850/2004 [POP-Regulation]:

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Regulation (EU) No. 649/2012 on the export and import of dangerous chemicals:

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Use restriction according to REACH annex XVII, no.:

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



Tradename:

**DURASPLINT<sup>®</sup> flex Polymer**

Status: 26.08.2019

Page: 8 von 6

## National regulatory information

Observe in addition any national regulations!

## Restrictions of occupation

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## Other regulations, restrictions and prohibition regulations

none

## 15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out.

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## SECTION 16: Other Information

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### Relevant H- and EUH-phrases (Number and full text):

#### Hazard statements

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

#### Training advice

-

#### Recommended restrictions of use:

-

#### 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 %

#### 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.

#### Documentation of changes:

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#### Key literature references and sources for data

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