

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



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**UNIQ+ pd**

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## Section 1. Identification of the substance/preparation and of the company/undertaking

### 1.1 Product identifier

**Name of product:** UNIQ+ pd

Product group:  
UFI:

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

#### Use of the substance/mixture

Thermoplastic foils for the manufacture of appliances and splints for dental and orthodontic treatments.

### 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)

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Directive 67/548/EEC or 1999/45/EC

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

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

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008

### 2.2 Label elements

None

## Section 3. Composition / information on ingredients

### 3.2 Mixtures

#### Chemical characterization

Copolyester / Polyethylene (PE)

**With a removable protective film!**

**CAS-Number:**

## Section 4. First aid measures

### 4.1 Description of first aid measures

#### General information

When using do not eat, drink or smoke.  
Provide suction extractors if dust is formed.

#### After inhalation

No further information available.

#### After contact with skin

No further information available.

#### After contact with eyes

No further information available.

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**After ingestion**

No further information available.

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**Section 5. Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water mist

**Unsuitable extinguishing media**

Full water jet

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

No further information available.

**5.3 Advice for firefighters**

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

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**Section 6. Accidental release measures**

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

Safe handling: see section 7

Personal protection equipment: see section 8

**6.2 Environmental precautions**

No further information available.

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

No further information available.

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**Section 7. Handling and Storage**

**7.1 Precautions for safe handling**

**Advice on protection against fire and explosion**

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

**Advice on storage compatibility**

Store dry and dark at 5 - 35 °C.

**7.3 Specific end use(s)**

Thermoplastic foils for the manufacture of appliances and splints for dental and orthodontic treatments.

**Further information on storage conditions**

No further information available.

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**Section 8. Exposure controls / personal protection**

**8.1 Control parameters**

**8.2 Exposure controls**

**Protective and hygiene measures**

None

**Eye/face protection**

None

**Hand protection**

None

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None

**Respiratory protection**

Provide suction extractors if dust is formed.

**Environmental exposure controls**

No further information available.

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

Properties	Guideline	Value
Physical state	-	solid
Colour	-	transparent
Odour	-	odourless
Density	ASTM D 1505	1,19 g/cm <sup>3</sup>
Water absorption after 24 h at 23 °C	ASTM D 570	0.5 %
<b>Mechanical properties</b>		
Tensile strength	ASTM D 882	41 Mpa
E-modulus	ASTM D 882	1462 MPa
Elongation at yield	ASTM D 882	7 %
Elongation at break	ASTM D 882	179 %
<b>Thermal properties</b>		
Glass transition temperature	DSC	110 °C

**Section 10. Stability and reactivity****10.2 Chemical stability**

No decomposition by intended use.

**10.3 Possibility of hazardous reactions**

No further information available.

**10.4 Conditions to avoid**

The product must not be got into groundwater, waters or canalisation.

**10.6. Hazardous decomposition products**

No decomposition by intended use.

**Section 11. Toxicological Information****11.1 Information on toxicological effects****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**

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

**STOT-single exposure**

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

**Severe effects after repeated or prolonged exposure**

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

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## **Carcinogenic / mutagenic / toxic / effects for reproduction**

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

## **Aspiration hazard**

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

## **Further information**

A biological evaluation was carried out for the material in accordance with DIN EN ISO 10993-1. It meets the requirements regarding biocompatibility for medical devices.

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## **Section 12. Ecological Information**

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### **12.1 Toxicity**

A biological evaluation was carried out for the material in accordance with DIN EN ISO 10993-1. It meets the requirements regarding biocompatibility for medical devices.

### **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 an vPvB assessment**

No further relevant information available.

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

No further relevant information available.

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

No further relevant information available.

## **Further information**

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## **Section 13. Disposal considerations**

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### **13.1 Waste treatment methods**

#### **Advice on disposal**

The material can be recycled after separation or deposited of like commercial or household waste. Dispose according to legislation.

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## **Section 14. Transport Information**

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No hazardous material according to transport regulations.

### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No applicable

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## **Section 15. Regulatory Information**

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

#### **National regulatory information**

#### **Additional Information**

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## 15.2 Chemical Safety Assessment

Chemical safety assessments for this material was not carried out.

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## Section 16. Other Information

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### Further information

The aforementioned data are given most conscientiously but without any obligation. Any processing details are provided merely for guidance: it is the user's responsibility to check the suitability of the product for the intended application.