

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

Tradename:

**DURAN®**

Status: 11.01.2016

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**Section 1. Identification of the substance/preparation and of the company/undertaking****1.1 Product identifier**Name of product: **DURAN®****1.2 Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Dental use

**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**

Polyethylenterephthalat-Glycol Copolyester (PET-G)

**CAS-Number:**

25640-14-6

**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.

**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.

## 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.

## 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 max. 20 °C.

#### Further information on storage conditions

No further information available.

## 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

#### Skin protection

None

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## 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

|   |                        |
|---|------------------------|
| Physical state                                | solid                  |
| Colour  | transparent            |
| Odour   | odourless              |
| Density ISO 1183                              | 1,27 g/cm <sup>3</sup> |
| Water absorption after 24 h at 23 °C ISO 62-4 | 0,2 %                  |
| Tensile strength ISO 527                      | 53 MPa                 |
| Flexional strength ISO 527                    | 69 MPa                 |
| Impact strength 23 °C ISO ISO179/1eA          | 10 KJ/m <sup>2</sup>   |
| Notched 23 °C ISO 180/1A                      | 12 KJ/m <sup>2</sup>   |
| Yield strain ISO 527                          | -                      |
| Yield stress ISO 527                          | 5 %                    |
| Elongation at tear ISO 527                    | 40 %                   |
| E-modulus ISO 527                             | 2200 MPa               |
| Hardness Shore A ISO 53505                    | -                      |
| Hardness Shore D ISO 53505                    | 78                     |
| Rockwell Hardness ISO2039-1 H358/30           | 115                    |
| Vicat softening point ISO 306                 | ~80 °C                 |
| Thermoform resistance ISO 75 Method A         | 68 °C                  |
| Thermoform resistance ISO 75 Method B         | 72 °C                  |
| Continuous stress temperature ISO 75 Method A | 68 °C                  |
| Continuous stress temperature ISO 75 Method B | 72 °C                  |

## Section 10. Stability and reactivity

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 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

non

## 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.

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## 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.

## 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.

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## Section 12. Ecological Information

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### 12.1 Toxicity

#### Further information

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## Section 13. Disposal considerations

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### 13.1 Waste treatment methods

#### Advice on disposal

Dispose according to legislation.

#### Contaminated packaging

Completely emptied packages can be recycled.

Dispose according to legislation.

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## Section 14. Transport Information

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### 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 and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

#### Additional information

Observe in addition any national regulations!

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## Section 16. Other Information

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### Abbreviations and acronyms

|        |  |
|--------|--|
| ADR    | Accord européen sur le transport des marchandises dangereuses par Route<br>(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 %  |

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**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.