

# SAFETY DATA SHEET (EC 1907/2006)

## Orthoresin Powder

**DeguDent**

A Dentsply International Company

Material no.		Version	1.4 / GB
Specification	141710	Revision date	21.09.2010
VA-Nr		Print Date	23.09.2010
		Page	1 / 5

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name	Orthoresin Powder
Company	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	+49 (0)6181/59-5767
Telefax	+49 (0)6181/59-5879
Email address	SDB@degudent.de
Emergency telephone number	+49 (0)180 / 23 24-555

Use of the Substance / Preparation For dental use only.

REACH Registration No.: if available listed in Chapter. 3

### 2. HAZARDS IDENTIFICATION

#### Other Hazards

Mechanical irritation of skin and mucous linings of eyes and respiratory tract may occur.  
Danger of dust explosion.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

• Poly(ethyl methacrylate)	95% - 100%
CAS-No. 9003-42-3	

See chapter 16 for text of risk phrases

### 4. FIRST AID MEASURES

#### Description of first aid measures

Remove contaminated or saturated clothing.

#### Inhalation

In case product dust is released:

Move victims into fresh air.

In case of persistent discomfort

Consult a physician immediately.

#### Skin contact

Wash off with soap and plenty of water.

#### Eye contact

Possible discomfort is due to foreign substance effect.

Rinse thoroughly with plenty of water keeping eyelid open.

In case of persistent discomfort

Consult an ophthalmologist.

#### Ingestion

Rinse out mouth.

After absorbing large amounts of substance:

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		Page	2 / 5

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Consult a physician.

### Indication of any immediate medical attention and special treatment needed

After absorbing large amounts of substance:  
Acceleration of gastrointestinal passage

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

mist, foam, quenching powder, carbon dioxide (CO<sub>2</sub>)

### Unsuitable extinguishing media

high volume water jet

### Special hazards arising from the substance or mixture

May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

### Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

### Advice for firefighters

Use water spray to cool unopened containers.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

No particular measures required.

### Environmental precautions

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

### Methods and material for containment and cleaning up

Pick up mechanically and collect in a suitable container. Avoid formation of dust.  
Sweep up to prevent slipping hazard.  
Clean up promptly by scoop or vacuum.

## 7. HANDLING AND STORAGE

### Handling

#### Precautions for safe handling

Avoid dust formation.

#### Advice on protection against fire and explosion

Danger of dust explosion.  
Caution - electrostatic charge may occur.  
Take precautionary measures against static discharges.  
Keep away from sources of ignition - No smoking.

### Storage

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

Keep in a dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

- exposure limit for dust

**SAFETY DATA SHEET (EC 1907/2006)****Orthoresin Powder****DeguDent**

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VA-Nr		Print Date	<b>23.09.2010</b>
		Page	<b>3 / 5</b>

CAS-No.		
Control parameters	4 mg/m3	(EH40 (UK))
type of exposition	Respirable dust.	
Control parameters	3 mg/m3	Time Weighted Average (TWA):(ACGIH)
type of exposition	Respirable particles.	

**Engineering measures**

In case product dust is released:  
Local ventilation.

**Personal protective equipment****Respiratory protection**

If workplace exposure limit is exceeded apply Dust mask with P2 particle filter.

If dust occurs: Nose and mouth mask with P2 particle filter

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

**Hand protection**

Wear protective gloves made of the following materials: nitrile rubber (NBR), natural latex (NR), PVC. Suitability for specific workplaces should be clarified with protective glove manufacturers.

**Eye protection**

Safety glasses with side-shields

If dust occurs: basket-shaped glasses

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practices.

No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	powder
Colour	according to the coloration
Odour	characteristic

**Information on basic physical and chemical properties**

pH	not applicable
Melting point/range	> 210 °C
Boiling point/range	not applicable
Flash point	not applicable
Flammability (solid, gas)	not determined
Autoinflammability	does not ignite
Thermal decomposition	250 °C
Lower explosion limit	not known
Upper explosion limit	not known

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		Page	<b>4 / 5</b>

Vapour pressure	not determined
Bulk density	not known
Water solubility	insoluble
Partition coefficient (n-octanol/water)	not applicable
Viscosity, dynamic	not known

**10. STABILITY AND REACTIVITY**

Conditions to avoid	None known
Incompatible materials	None known
Hazardous decomposition products	decomposition products if heated above 250°C irritative gases/vapours, Carbon monoxide, carbon dioxide (CO <sub>2</sub> ), organic products of decomposition
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

**11. TOXICOLOGICAL INFORMATION**

*No results of animal experiments with the product available.*

Human experience	Mechanical irritation of skin and mucous linings of eyes and respiratory tract may occur.
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**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

*Ecotoxicological tests with this preparation are not available.*

**Further information on ecology**

Further Information	The product is a solid, insoluble in water, chemically inert and virtually not biologically degradable. No negative effects known.
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**13. DISPOSAL CONSIDERATIONS****Product**

Disposal according to local authority regulations.

**Uncleaned packaging**

Disposal according to local authority regulations.

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## Orthoresin Powder

Material no.		Version	1.4 / GB
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VA-Nr		Print Date	23.09.2010
		Page	5 / 5

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### 14. TRANSPORT INFORMATION

#### Transport/further information

Not classified as dangerous in the meaning of transport regulations.

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### 15. REGULATORY INFORMATION

#### Labelling according to EC Directives

Other data According to the Dangerous Preparations Directive (1999/45/EG):  
no labelling

#### National legislation

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### 16. OTHER INFORMATION

#### Risk phrase (R phrase) texts

#### Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.