

Trade name: Adapta foils (REF 20501)

Current version : 1.0.4, issued: 19.10.2015

Replaced version: 1.0.3, issued: 11.02.2015

Region: GB

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

### 1.1 Product identifier

Trade name

**Adapta foils (REF 20501)**

**Adapta spacer foils (REF 20502, 20517)**

Identification numbers

CAS no. 9002-86-2

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

Relevant identified uses of the substance or mixture

Manufacturing of dental prosthesis in a dental laboratory

Uses advised against

No data available.

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

Address

BEGO Bremer Goldschlägerei

Wilh. Herbst GmbH & Co. KG

Wilhelm-Herbst-Str. 1

28359 Bremen

Telephone no. +49/ 421/ 2028 – 0

Fax no. +49/ 421/ 2028 – 115

e-mail msds@bego.com

Information provided by / telephone

Research & Development Department - Materials, alloys and ceramics; +49/ 421/ 2028 – 130 (Chief Development Officer alloys)

Advice on Safety Data Sheet

msds@bego.com

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

This product does not meet the classification and labelling criteria given in the Dangerous Substances Directive 67/548/EC (DSD)

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

PBT assessment

No data available.

vPvB assessment

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Chemical characterization

Substance name Polyvinyl chloride

Description Plasticiser free PVC film

Trade name: Adapta foils (REF 20501)

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#### Identification numbers

CAS no. 9002-86-2

### 3.2 Mixtures

Not applicable. The product is not a mixture.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In all cases of doubt, or when sickness symptoms persist, seek medical attention. Risk of burns when molten. Don't strip away with force the solidified product. Seek medical advice.

#### After inhalation

Fresh air. Get medical attention if pain still persists.

#### After skin contact

After contact with molten product, cool quickly with cold water.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

#### After ingestion

No special measures necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide; Extinguishing powder; Water spray jet

#### Unsuitable extinguishing media

High power water jet

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

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Hydrochloric acid

### 5.3 Advice for firefighters

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Use self-contained breathing apparatus. Wear protective clothing. Adapt extinguisher and fire-fighting measures to fire in the environment.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

No special measures necessary.

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

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

### 6.4 Reference to other sections

No data available.

Trade name: Adapta foils (REF 20501)

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling**

No special measures necessary.

**General protective and hygiene measures**

Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages.

**Advice on protection against fire and explosion**

No special measures necessary.

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

**Technical measures and storage conditions**

No special measures necessary.

**Requirements for storage rooms and vessels**

No special measures required.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	Polyvinyl chloride	9002-86-2	
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Polyvinyl chloride			
total inhalable dust			
	TWA	10	mg/m <sup>3</sup>
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Polyvinyl chloride			
respirable dust			
	TWA	4	mg/m <sup>3</sup>

### 8.2 Exposure controls

**Appropriate engineering controls**

Provide good ventilation.

**Personal protective equipment**

**Respiratory protection**

No special measures required.

**Eye / face protection**

No special measures required.

**Hand protection**

No special measures required.

**Other**

No special measures required.

**Environmental exposure controls**

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form/Colour
solid; Film
transparent; red

Trade name: Adapta foils (REF 20501)

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<b>Odour</b>	
odourless	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point / melting range</b>	
Value	> 160 °C
<b>Softening point / softening temperature (Vicat softening point)</b>	
Value	appr. 73 °C
Method	VICAT
<b>Decomposition point / decomposition range</b>	
Value	> 250 °C
<b>Flash point</b>	
No data available	
<b>Ignition temperature</b>	
Value	> 390 °C
Method	ASTM D 1929
<b>Auto-ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
No data available	
<b>Explosive properties</b>	
No data available	
<b>Flammability (solid, gas)</b>	
No data available	
<b>Lower flammability or explosive limits</b>	
No data available	
<b>Upper flammability or explosive limits</b>	
No data available	
<b>Vapour pressure</b>	
No data available	
<b>Vapour density</b>	
No data available	
<b>Evaporation rate</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
No data available	
<b>Solubility in water</b>	
Remarks	insoluble

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<b>Solubility(ies)</b>
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No data available
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<b>Partition coefficient: n-octanol/water</b>
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No data available
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<b>Viscosity</b>
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No data available
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## 9.2 Other information

<b>Other information</b>
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No data available.
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

None known

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

In case of fire: see section 5.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>
No data available

<b>Acute dermal toxicity</b>
No data available

<b>Acute inhalational toxicity</b>
No data available

<b>Skin corrosion/irritation</b>
No data available

<b>Serious eye damage/irritation</b>
No data available

<b>Respiratory or skin sensitisation</b>
No data available

<b>Germ cell mutagenicity</b>
No data available

<b>Reproduction toxicity</b>
No data available

<b>Carcinogenicity</b>
No data available

<b>STOT-single exposure</b>
No data available

<b>STOT-repeated exposure</b>
No data available

<b>Aspiration hazard</b>
No data available

Trade name: Adapta foils (REF 20501)

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## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>
No data available

<b>Toxicity to fish (chronic)</b>
No data available

<b>Toxicity to Daphnia (acute)</b>
No data available

<b>Toxicity to Daphnia (chronic)</b>
No data available

<b>Toxicity to algae (acute)</b>
No data available

<b>Toxicity to algae (chronic)</b>
No data available

<b>Bacteria toxicity</b>
No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	
PBT assessment	No data available.
vPvB assessment	No data available.

### 12.6 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

#### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

#### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

#### **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This substance is not subject to Part I or 2 of Annex I

#### **Other regulations**

Adhere to the national sanitary and occupational safety regulations when using this product.

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

#### **Department issuing safety data sheet**

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This information is based on our present state of knowledge and experience.  
The security data sheet describes products with a view to the security requirements.  
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