

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Visalys Core

Print date: 15.02.2016

Product code: 217

Page 1 of 6

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

#### 1.1. Product identifier

Visalys Core

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

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

|                         |                            |                              |
|-------------------------|----------------------------|------------------------------|
| Company name:           | Kettenbach GmbH & Co. KG   |                              |
| Street:                 | Im Heerfeld 7              |                              |
| Place:                  | D-35713 Eschenburg         |                              |
| Telephone:              | + 49(0) 2774/705-0         | Telefax: +49 (0)2774/705-87  |
| e-mail:                 | info@kettenbach.de         |                              |
| Contact person:         | Regulatory Affairs Manager | Telephone: +49 (0)2774/705-0 |
| Internet:               | www.kettenbach.de          |                              |
| Responsible Department: | Regulatory Affairs         |                              |

1.4. Emergency telephone number: +49 (0)30 30686790 (English/German)

#### Further Information

For dental use only!

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Indications of danger: Xi - Irritant  
R phrases:  
Irritating to eyes and skin.  
May cause sensitisation by skin contact.

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

Hazard categories:  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Respiratory/skin sensitization: Skin Sens. 1  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazard Statements:  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause respiratory irritation.

#### 2.2. Label elements

##### **Hazardous components which must be listed on the label**

Aliphatic Dimethacrylate  
Aliphatic Trimethacrylate  
Dibenzoylperoxide  
2-(2-Hydroxy-5-methylphenyl)benzotriazole

Signal word: Warning

Pictograms: GHS07

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Visalys Core

Print date: 15.02.2016

Product code: 217

Page 2 of 6



#### Hazard statements

- |      |                                      |
|------|--------------------------------------|
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation.       |
| H335 | May cause respiratory irritation.    |

#### Precautionary statements

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Preparation of multifunctional methacrylates, filler materials and additives

##### Hazardous components

| EC No      | Chemical name   | Quantity    |
|------------|---|-------------|
| CAS No     | Classification according to Directive 67/548/EEC                          |             |
| Index No   | Classification according to Regulation (EC) No. 1272/2008 [CLP]           |             |
| REACH No   |   |             |
|            | Ytterbium (III) fluoride  | 15 - < 20 % |
| 13760-80-0 | Xi - Irritant R36/37/38   |             |
|            | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335                    |             |
|            | Aliphatic Dimethacrylate  | 5 - < 10 %  |
|            | Xi - Irritant R36/37/38-43  |             |
|            | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335 |             |
|            | Aliphatic Trimethacrylate   | 1 - < 5 %   |
|            | Xi - Irritant R36/37/38-43  |             |
|            | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317                 |             |
|            | Dibenzoylperoxide   | < 1 %       |
| 94-36-0    | O - Oxidizing, Xi - Irritant R07-36-43                                    |             |
|            | Self-react. C, Skin Sens. 1; H242 H317                                    |             |
|            | 2-(2-Hydroxy-5-methylphenyl)benzotriazole                                 | < 1 %       |
| 2440-22-4  | Xi - Irritant R36/37/38   |             |
|            | Eye Irrit. 2B, Skin Sens. 1; H320 H317                                    |             |

Full text of R-, H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After contact with skin

After contact with skin, wash immediately with: Water and soap.

##### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Visalys Core

Print date: 15.02.2016

Product code: 217

Page 3 of 6

#### After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Medical treatment necessary.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water spray. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).

#### 5.3. Advice for firefighters

No special technical protective measures are necessary.

#### Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

### SECTION 6: Accidental release measures

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

avoid contact with skin Following eye contact: Consult an ophthalmologist.

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

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Store cartridge at ambient temperatures.. Avoid heat sources and direct sunlight .

##### Further information on handling

The usual precautions when handling chemicals have to be obtained.  
When using do not eat or drink.

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

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

| CAS No  | Substance          | ppm | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|---------|--------------------|-----|-------------------|-----------|---------------|--------|
| 94-36-0 | Dibenzoyl peroxide | -   | 5                 |           | TWA (8 h)     | WEL    |
|         |                    | -   | -                 |           | STEL (15 min) | WEL    |

#### 8.2. Exposure controls

##### Protective and hygiene measures

The usual precautions when handling chemicals have to be obtained.

##### Eye/face protection

Safety glasses.

##### Hand protection

Protective gloves.

Suitable material:

Butyl rubber.,NR (Natural rubber (Caoutchouc), Natural latex),PVC (Polyvinyl chloride).

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Visalys Core

Print date: 15.02.2016

Product code: 217

Page 4 of 6

Unsuitable material:  
NBR (Nitrile rubber).

#### Skin protection

Protective clothing.

#### Respiratory protection

Not required.

#### Environmental exposure controls

Not required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                    |
|-----------------|--------------------|
| Physical state: | Paste              |
| Colour:         | white, light beige |
| Odour:          | nearly odourless   |

#### Test method

#### Changes in the physical state

|                                    |                            |
|------------------------------------|----------------------------|
| Flash point:                       | > 100 °C                   |
| Density (at 23 °C):                | ca. 1,75 g/cm <sup>3</sup> |
| Water solubility:                  | practically insoluble      |
| Viscosity / dynamic:<br>(at 23 °C) | ca. 12000 mPa·s            |

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

None by intended use.

### 10.5. Incompatible materials

Radical former. Reducing agents.

### 10.6. Hazardous decomposition products

None by intended use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Toxicological data are not available.

#### Irritation and corrosivity

Irritant effect on the skin: Irritant effect on the eye:

#### Sensitising effects

Sensitization through skin contact possible.

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

No experimental indications of mutagenicity in-vitro exist.

#### Practical experience

#### Observations relevant to classification

No data available

#### Further information

May cause an allergic skin reaction.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Visalys Core

Print date: 15.02.2016

Product code: 217

Page 5 of 6

## SECTION 12: Ecological information

### 12.1. Toxicity

Do not allow uncontrolled leakage of product into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge. Carry out a burning of hazardous waste according to official regulations.

#### Waste disposal number of waste from residues/unused products

070799 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; wastes not otherwise specified

#### Waste disposal number of used product

200301 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; other municipal wastes; mixed municipal waste

#### Waste disposal number of contaminated packaging

200301 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; other municipal wastes; mixed municipal waste

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### Inland waterways transport (ADN)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### Marine transport (IMDG)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### Air transport (ICAO)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### Other applicable information

No dangerous good in sense of these transport regulations.

## SECTION 15: Regulatory information

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

#### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

## SECTION 16: Other information

### Relevant R-phrases (Number and full text)

- 07 May cause fire.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 43 May cause sensitisation by skin contact.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Visalys Core

Print date: 15.02.2016

Product code: 217

Page 6 of 6

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

|      |                                      |
|------|--------------------------------------|
| H242 | Heating may cause a fire.            |
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation.       |
| H320 | Causes eye irritation.               |
| H335 | May cause respiratory irritation.    |

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*