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

1.1. Product identifier

Visalys Temp

Further trade names
Visalys Temp (A1; A2; A3; A3,5; B1; BL)

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

Use of the substance/mixture
See Directions for Use for the individual products.

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
Telex: +49 (0)2774/705-66
E-mail: info@kettenbach.com
Contact person: Regulatory Affairs Manager
Internet: www.kettenbach.com
Responsible Department: Regulatory Affairs

Further Information
For dental use only!

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008
Hazard categories:
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Skin Sens. 1
Reproductive toxicity: Repr. 2
Hazard Statements:
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of damaging the unborn child.

2.2. Label elements

Regulation (EC) No. 1272/2008
Hazard components for labelling
Aliphatic Dimethacrylate
Poly(alkyleneglycol)diacrylate
Hydroquinone monomethyl ether
Signal word: Warning
Pictograms:

Hazard statements
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
according to Regulation (EC) No 1907/2006

Visalys Temp
Product code: 220

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to Refer to any Community provisions relating to waste.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Chemical characterization
Preparation of multifunctional methacrylates, filler materials and additives

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Confidential Aliphatic Dimethacrylate</td>
<td>5 - &lt; 10 %</td>
</tr>
<tr>
<td></td>
<td>Confidential Poly(alkylene glycol diacrylate)</td>
<td>5 - &lt; 10 %</td>
</tr>
<tr>
<td>150-76-5</td>
<td>Hydroquinone monomethyl ether</td>
<td>1 - &lt; 5 %</td>
</tr>
<tr>
<td>205-769-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

confidential Aliphatic Dimethacrylate Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335
confidential Poly(alkylene glycol diacrylate) Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317
150-76-5 Hydroquinone monomethyl ether Repr. 2, Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H361d H302 H319 H317 H412

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation
Provide fresh air. Seek medical attention if problems persist.

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.

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

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
Provide adequate ventilation. Avoid contact with skin

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

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).

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: light beige
Odour: nearly odourless
Changes in the physical state
Visalys Temp
Product code: 220

Flash point: > 100 °C
Density (at 20 °C): ca. 1.4 g/cm³
Water solubility: practically insoluble
Viscosity / dynamic: ca. 9000 mPa·s
(at 23 °C)

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.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>150-76-5</td>
<td>Hydroquinone monomethyl ether</td>
<td>oral</td>
<td>ATE</td>
<td>500 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
No experimental indications of mutagenicity in-vivo exist.

Practical experience
Observations relevant to classification
No data available

Further information
May cause an allergic skin reaction.

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-TI/IATA-DGR)
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

Changes
Update: 2018-05-18

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit. 2; H315</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Eye Irrit. 2; H319</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin Sens. 1; H317</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Repr. 2; H361d</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Relevant H and EUH statements (number and full text)

H302    Harmful if swallowed.
H315    Causes skin irritation.
H317    May cause an allergic skin reaction.
H319    Causes serious eye irritation.
H335    May cause respiratory irritation.
H361d   Suspected of damaging the unborn child.
H412 Harmful to aquatic life with long lasting effects.

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