

Visalys CemCore

Revision date: 05.03.2021

Product code: Visalys_CemCore

Page 1 of 7

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

1.1. Product identifier

Visalys CemCore

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)2774/705-66
e-mail:	info@kettenbach.com	
Contact person:	Regulatory Affairs Manager	Telephone: +49 (0)2774/705-0
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

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

Causes damage to organs through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Silicone dioxide

Aliphatic urethane methacrylate (Urethan dimethacrylate)

Hydrophilic, aliphatic monomers (aliphatic Trimethacrylate / aliphatic Dimethacrylate)

Benzoylperoxide

Benzotriazole UV absorber

Signal word: Danger

Pictograms:



Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Visalys CemCore

Revision date: 05.03.2021

Product code: Visalys_CemCore

Page 2 of 7

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P270 Do not eat, drink or smoke when using this product.
P405 Store locked up.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P314 Get medical advice/attention if you feel unwell.
P312 Call a POISON CENTER/doctor if you feel unwell.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P233 Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Preparation of multifunctional methacrylates, filler materials and additives

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
14464-46-1	Silicone dioxide	10 - <45%
	238-455-4	
	STOT RE 1; H372	
confidential	Aliphatic urethane methacrylate (Urethan dimethacrylate)	5 - < 25%
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335	
13760-80-0	Ytterbium (III) fluoride	5 - 25%
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	
confidential	Hydrophilic, aliphatic monomers (aliphatic Trimethacrylate / aliphatic Dimethacrylate)	5 - 25%
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317	
	Benzoylperoxide	<1%
	Self-react. C, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H242 H319 H317 H400 H410	
	Benzotriazole UV absorber	<1%
	Eye Irrit. 2B, Skin Sens. 1; H320 H317	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Visalys CemCore

Revision date: 05.03.2021

Product code: Visalys_CemCore

Page 3 of 7

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.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

No information available.

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

Not required.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

For dental use only! Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

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

Requirements for storage rooms and vessels

Keep only in the original container.

Keep away from heat.

Protect from sunlight.

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Visalys CemCore

Revision date: 05.03.2021

Product code: Visalys_CemCore

Page 4 of 7

7.3. Specific end use(s)

No information available.

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:	white - brown
Odour:	characteristic

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable
Sustaining combustion:	No data available

Flammability

Solid:	not determined
Gas:	not determined

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not applicable

Auto-ignition temperature

Solid:	not determined
Gas:	not determined

Decomposition temperature:	not applicable
----------------------------	----------------

Density (at 23 °C):	ca. 1,75 g/cm ³
Bulk density:	not determined

Visalys CemCore

Revision date: 05.03.2021

Product code: Visalys_CemCore

Page 5 of 7

Water solubility:

practically insoluble

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

In case of light influence: Polymerisation

10.3. Possibility of hazardous reactions

None by intended use.

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.

SECTION 12: Ecological information

12.1. Toxicity

Do not allow uncontrolled leakage of product into the environment.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

slightly hazardous to water (WGK 1)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Visalys CemCore

Revision date: 05.03.2021

Product code: Visalys_CemCore

Page 6 of 7

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

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.

List of Wastes Code - 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 hazard class (D): 1 - slightly hazardous to water

SECTION 16: Other information

Changes

Update 2018-05-23

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

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
STOT RE 1; H372	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Visalys CemCore

Revision date: 05.03.2021

Product code: Visalys_CemCore

Page 7 of 7

H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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.)