

SAFETY DATA SHEETS

This SDS packet was issued with item:

077062060

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

077062011 077062037 077062045 077062094 077062110 077062151 077062169 077062177 077062185 077062193
077062235 077062243 077062250

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

077062052 077062078 077062086 077062102

Material Safety Data Sheet

acc. to ISO/DIS 11014



Printing date 09/11/2012

Reviewed on 09/11/2012

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

- Product identifier
- Trade name: **Structur 3 base**
- Relevant identified uses of the substance or mixture and uses advised against Non-dental use.
- Application of the substance / the preparation Temporary Crown & Bridge Material
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
VOCO GmbH
Anton-Flettner-Str. 1-3
D-27472 Cuxhaven
- Information department: Scientific department tel. +49 (0)4721-719-0
- Emergency telephone number: Scientific department tel. +49 (0)4721-719-0

2 Hazards identification

- Classification of the substance or mixture
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- Labelling according to EU guidelines:
As a medical device the product is not subject to labelling regulations under directive 1272/2008/EC.
- NFPA ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0
- HMS-ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0
- Other hazards Use only for intended scope of application

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

72869-86-4	Urethanedimethacrylate	10-25%
	Catalyst	2.5-5%

4 First aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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Trade name: *Structur 3 base*

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· **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** For dental use only.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** See storage instructions on package

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves** Not required.
- **Penetration time of glove material** Not applicable.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Pasty
Color:	Colored
Odor:	Characteristic
- **pH-value:** Not determined.
- **Change in condition**
Melting point/Melting range: Undetermined.

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Trade name: *Structur 3 base*

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Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Density:	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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Reviewed on 09/11/2012

Trade name: **Structur 3 base**

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name** -
- **DOT, ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)** -
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Void
- **DOT, ADR, IMDG, IATA** Void
- **Marine pollutant:** No

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

72869-86-4 Urethanedimethacrylate

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients are listed

- **TLV (Threshold Limit Value established by ACGIH)**

Contact VOCO for more information.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

Contact Voco for more information

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Trade name: Structur 3 base

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· Canadian Ingredient Disclosure list (limit 0.1%)

Contact VOCO for more information.

· Canadian Ingredient Disclosure list (limit 1%)

Contact VOCO for more information.

· Product related hazard informations:

As a medical device the product is not subject to labelling regulations under directive 1272/2008/EC.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing MSDS: Scientific department**· Contact:** Tel.: +49 (0)4721-719-0

— USA —

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/11/2012

Reviewed on 09/11/2012

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

- **Product identifier**
- **Trade name:** *Structur 3 catalyst*
- **Relevant identified uses of the substance or mixture and uses advised against** *Non-dental use.*
- **Application of the substance / the preparation** *Temporary Crown & Bridge Material*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
VOCO GmbH
Anton-Flettner-Str. 1-3
D-27472 Cuxhaven
- **Information department:** *Scientific department tel. +49 (0)4721-719-0*
- **Emergency telephone number:** *Scientific department tel. +49 (0)4721-719-0*

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Irritant
May cause sensitization by skin contact.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Labelling according to EU guidelines:**
As a medical device the product is not subject to labelling regulations under directive 1272/2008/EC.
- **Code letter and hazard designation of product:**



Irritant

- **Safety phrases:**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable gloves.
- **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

- **Other hazards** *Use only for intended scope of application*

3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

Dangerous components:

72869-86-4	Urethanedimethacrylate	10-25%
1565-94-2	BIS-GMA	5-10%
	benzoyl peroxyde	≤ 2.5%

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Trade name: *Structur 3 catalyst*

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4 First aid measures

- *Description of first aid measures*
- *After inhalation: Seek medical treatment in case of complaints.*
- *After skin contact: Immediately rinse with water.*
- *After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.*
- *After swallowing: If symptoms persist consult doctor.*

5 Firefighting measures

- *Extinguishing media*
- *Suitable extinguishing agents:*
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- *Protective equipment: No special measures required.*

6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures Not required.*
- *Environmental precautions: Do not allow to enter sewers/ surface or ground water.*
- *Methods and material for containment and cleaning up:*
Pick up mechanically.
Ensure adequate ventilation.
- *Reference to other sections*
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- *Handling:*
- *Precautions for safe handling For dental use only.*
- *Information about protection against explosions and fires: No special measures required.*
- *Conditions for safe storage, including any incompatibilities*
- *Storage:*
- *Requirements to be met by storerooms and receptacles: No special requirements.*
- *Information about storage in one common storage facility: Not required.*
- *Further information about storage conditions: See storage instructions on package*

8 Exposure controls/personal protection

- *Additional information about design of technical systems: No further data; see item 7.*
- *Control parameters*
- *Components with limit values that require monitoring at the workplace:*
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- *Additional information: The lists that were valid during the creation were used as basis.*
- *Exposure controls*
- *Personal protective equipment:*
- *General protective and hygienic measures:*
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
- *Breathing equipment: Not required.*

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Material Safety Data Sheet

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Trade name: Structur 3 catalyst

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Protection of hands:



Protective gloves

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Pasty
Color:	Whitish
Odor:	Characteristic

pH-value: Not determined.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Density: Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Other information: No further relevant information available.

10 Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

(Contd. on page 4)

USA

Material Safety Data Sheet

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Printing date 09/11/2012

Reviewed on 09/11/2012

Trade name: *Structur 3 catalyst*

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- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
- **NTP (National Toxicology Program)**
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number** -
- **UN proper shipping name** -
- **Transport hazard class(es)** -
- **Marine pollutant:** No

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.
- **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.
- **TSCA (Toxic Substances Control Act):**
72869-86-4 Urethanedimethacrylate

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Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/11/2012

Reviewed on 09/11/2012

Trade name: **Structur 3 catalyst**

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· Proposition 65**· Chemicals known to cause cancer:**

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed

· Cancerogenity categories**· EPA (Environmental Protection Agency)**

None of the ingredients are listed

· TLV (Threshold Limit Value established by ACGIH)

Contact VOCO for more information.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed

· Canadian substance listings:**· Canadian Domestic Substances List (DSL)**

Contact Voco for more information

· Canadian Ingredient Disclosure list (limit 0.1%)

Contact VOCO for more information.

· Canadian Ingredient Disclosure list (limit 1%)

Contact VOCO for more information.

· Product related hazard informations:

As a medical device the product is not subject to labelling regulations under directive 1272/2008/EC.

· Hazard symbols:

Irritant

· Hazard-determining components of labelling:

benzoyl peroxyde

· Risk phrases:

May cause sensitization by skin contact.

· Safety phrases:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing MSDS: Scientific department**· Contact: Tel.: +49 (0)4721-719-0**

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