Revision: 24.03.2022

Printing date 24.03.2022

Version number 3 (replaces version 2)

Start

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

- · 1.1 Product identifier
- · Trade name: Calibra Ceram Catalyst
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture Esthetic Resin Cement
- · Uses advised against No further relevant information available.
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Dentsply DeTrey GmbH

De-Trey-Str. 1 D-78467 Konstanz **GERMANY**

Tel.: +49-(0)7531-583-0 Fax: +49-(0)7531-583-104

email: KonstanzDEU.info-sdb@dentsplysirona.com

- · Further information obtainable from: Research and Development
- 1.4 Emergency telephone number: +49-(0)7531-583-0 8:00 17:00 (GMT + 1:00)

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eve Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



- · Signal word Warning
- · Hazard-determining components of labelling:

Urethane modified Bis-GMA dimethacrylate resin

2,2'-ethylenedioxydiethyl dimetharcylate

· Hazard statements

H315 Causes skin irritation.

H319 Causes serious eve irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

Wear protective gloves / eye protection / face protection. P280

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

Additional information:

As this product is a medical device in the meaning of Directive 93/42/EEC and regulation (EC) 2017/745 and intended for use by the end consumer and is applied in an invasive manner or body contact, it is exempt from the labelling requirements according to regulation (EC) 1272/2008.

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Trade name: Calibra Ceram Catalyst

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- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable. · **vPvB**: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

Dangerous compone CAS: 87699-25-0		> 2.5 < 10
CAS: 8/099-23-0	Dipentaerythritol pentaacrylate phosphate Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319;	≥ 2.5 - < 10
	STOT SE 3, H335	
	Specific concentration limit: STOT SE 3; C ≥ 10 %	
CAS: 41637-38-1	Urethane modified Bis-GMA dimethacrylate resin	≥ 2.5 - < 10
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	
CAS: 105883-40-7	Urethane Dimethacrylate Resin	≥ 2.5 - < 10
	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 3290-92-4	propylidynetrimethyl trimethacrylate	≥ 2.5 - < 10
	Aquatic Chronic 2, H411	
CAS: 109-16-0	2,2'-ethylenedioxydiethyl dimetharcylate	≥ 2.5 - < 10
EINECS: 203-652-6	Skin Sens. 1, H317	
CAS: 80-15-9	α,α -dimethylbenzyl hydroperoxide	≥ 0.25 - < 1
EINECS: 201-254-7	Org. Perox. E, H242; Acute Tox. 3, H331; STOT RE 2, H373; Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312	
	Specific concentration limits: Skin Corr. 1B; H314: C ≥ 10 %	
	Skin Irrit. 2; H315: 3 % ≤ C < 10 %	
	Eye Dam. 1; H318: C ≥ 3 %	
	Eye Irrit. 2; H319: 1 % ≤ C < 3 % STOT SE 3; H335: C ≥ 10 %	
CAS: 79-10-7	acrylic acid	≥ 0.25 - < 1
EINECS: 201-177-9	Flam. Liq. 3, H226; Skin Corr. 1A, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335	
	Specific concentration limit: STOT SE 3; H335: C ≥ 1 %	
CAS: 131-57-7	oxybenzone	≤2.5%
EINECS: 205-031-5		

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Immediately wash with water and soap and rinse thoroughly.
- · After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing If symptoms persist consult doctor.
- · Information for doctor No further relevant information available.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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Trade name: Calibra Ceram Catalyst

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· 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents Water with full jet.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Self-contained respiratory protective device.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Pick up mechanically.

Ensure adequate ventilation.

· 6.4 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Observe normal care for working with chemicals.

- · Information about fire and explosion protection: No special measures required.
- · Handling Product is intended for dental use only.
- · 7.2 Conditions for safe storage, including any incompatibilities
- ·Storage
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients 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 valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.

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Trade name: Calibra Ceram Catalyst

(Contd. of page 3)

- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- · Respiratory protection: Not necessary if room is well-ventilated.
- · Hand protection



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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.

Natural rubber, NR

Recommended thickness of the material: ≥ 0.12 mm

Permeation: Level ≥ 1

· Penetration time of glove material

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

· Eye/face protection

Safety glasses



Tightly sealed goggles.

· Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information

· Physical state Fluid

• Colour: According to product specification

Odour: Characteristic
 Odour threshold: Not determined.
 Melting point/freezing point: undetermined

· Boiling point or initial boiling point and boiling

range Undetermined.
• Flammability Not applicable.

· Lower and upper explosion limit

Lower: Not determined.
Upper: Not determined.
Flash point: Not applicable
Ignition temperature: Not applicable
Decomposition temperature: Not determined.
pH Not determined.

· Viscosity:

· Kinematic viscosity Not determined. · dynamic: Not determined.

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Trade name: Calibra Ceram Catalyst

	(Contd. of page 4
· Solubility	
· Water:	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
Density and/or relative density	
Density:	Not determined
Relative density	Not determined.
Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	paste
· Important information on protection of health an	nd .
environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Solids content:	60.0 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classe	es
·Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable	
gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known

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Trade name: Calibra Ceram Catalyst

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SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity

	-		
· LD/LC50 values relevant for classification:			
CAS: 3290	CAS: 3290-92-4 propylidynetrimethyl trimethacrylate		
Oral	LD50	> 2,000 mg/kg (rat)	
CAS: 109-	16-0 2,2'-6	ethylenedioxydiethyl dimetharcylate	
Oral	LD50	> 5,000 mg/kg (rat)	
Dermal	LD50	> 2,000 mg/kg (mouse)	
CAS: 80-1	5-9 α,α -di	imethylbenzyl hydroperoxide	
Oral	LD50	382 mg/kg (rat)	
Dermal	LD50	500 mg/kg (rat)	
Inhalative	LC50/4 h	220 mg/l (rat)	
CAS: 79-1	0-7 acrylic	c acid	
Oral	LD50	1,500 mg/kg (rat)	
Dermal	LD50	> 2,000 mg/kg (rabbit)	
Inhalative	LC50/4 h	11 mg/l (ATE)	
CAS: 131-	CAS: 131-57-7 oxybenzone		
Oral	LD50	7,400 mg/kg (rat)	
Dermal	LD50	> 16,000 mg/kg (rabbit)	
C1 ·	. /,	dian Course this issistation	

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- · 11.2 Information on other hazards

· Endocrine disrupting properties		
CAS: 131-57-7 oxybenzone	List II	

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic tox	· Aquatic toxicity:		
CAS: 3290-	CAS: 3290-92-4 propylidynetrimethyl trimethacrylate		
LC50/96h 2	2 mg/l (Fish acute toxicity study)		
EC50/48h	> 9.22 mg/L (daphnia magna)		
CAS: 109-1	6-0 2,2'-ethylenedioxydiethyl dimetharcylate		
LC50/96h	16.4 mg/l (Brachydanio rerio)		
EC50/72h	> 100 mg/l (Pseudokirchnerella subcapitata)		
CAS: 79-10	CAS: 79-10-7 acrylic acid		
LC50/96h 2	27 mg/l (Fish acute toxicity study)		
EC50/48h	95 mg/L (daphnia magna)		
CAS: 131-5	CAS: 131-57-7 oxybenzone		
LC50/96h	100 mg/l (Fish acute toxicity study)		

- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

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Trade name: Calibra Ceram Catalyst

(Contd. of page 6)

- 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Remark: Harmful to fish
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

Harmful to aquatic organisms

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport informati	ion	
· 14.1 UN number or ID number · ADR, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA · Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards:	Not applicable.	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Maritime transport in bulk according instruments	g to IMO Not applicable.	
· UN "Model Regulation":	Void	

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer.

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For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.

· Relevant phrases

H226 Flammable liquid and vapour.

H242 Heating may cause a fire.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

· Department issuing SDS: Research & Development

· Contact: HotLine for urgent technical support: +49-7531-583-350

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids - Category 3

Org. Perox. E: Organic peroxides – Type E/F

Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

 $Aquatic\ Acute\ 1: Hazardous\ to\ the\ aquatic\ environment\ -\ acute\ aquatic\ hazard\ -\ Category\ 1$

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* * Data compared to the previous version altered.

GB

Revision: 24.03.2022

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.03.2022

Version number 3 (replaces version 2)

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

- · 1.1 Product identifier
- · Trade name: Calibra Ceram Base
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture Esthetic Resin Cement
- · Uses advised against No further relevant information available.
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Dentsply DeTrey GmbH

De-Trey-Str. 1 D-78467 Konstanz

GERMANY

Tel.: +49-(0)7531-583-0 *Fax*: +49-(0)7531-583-104

email: KonstanzDEU.info-sdb@dentsplysirona.com

- · Further information obtainable from: Research and Development
- 1.4 Emergency telephone number: +49-(0)7531-583-0 8:00 17:00 (GMT + 1:00)

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



- · Signal word Warning
- · Hazard-determining components of labelling:

2-hydroxyethyl methacrylate

Urethane modified Bis-GMA dimethacrylate resin

3-(Acryloyloxy)-2-hydroxypropyl methacrylate

2,2'-ethylenedioxydiethyl dimetharcylate

· Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

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Trade name: Calibra Ceram Base

(Contd. of page 1)

· Additional information:

As this product is a medical device in the meaning of Directive 93/42/EEC and regulation (EC) 2017/745 and intended for use by the end consumer and is applied in an invasive manner or body contact, it is exempt from the labelling requirements according to regulation (EC) 1272/2008.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 868-77-9	2-hydroxyethyl methacrylate	≥ 2.5 - < 10%
EINECS: 212-782-2	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 41637-38-1	Urethane modified Bis-GMA dimethacrylate resin Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≥ 2.5 - < 10%
CAS: 105883-40-7	Urethane Dimethacrylate Resin Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥ 2.5 - < 10%
CAS: 3290-92-4	propylidynetrimethyl trimethacrylate Aquatic Chronic 2, H411	≥ 2.5 - < 10%
CAS: 109-16-0 EINECS: 203-652-6	2,2'-ethylenedioxydiethyl dimetharcylate Skin Sens. 1, H317	≥ 2.5 - < 10%
CAS: 1709-71-3	3-(Acryloyloxy)-2-hydroxypropyl methacrylate Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥1-≤2.5%
CAS: 131-57-7 EINECS: 205-031-5	oxybenzone Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤2.5%

· Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- · General information Immediately remove any clothing soiled by the product.
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Immediately wash with water and soap and rinse thoroughly.
- · After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing If symptoms persist consult doctor.
- · *Information for doctor* No further relevant information available.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents Water with full jet.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.

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Printing date 24.03.2022 Version number 3 (replaces version 2) Revision: 24.03.2022

Trade name: Calibra Ceram Base

(Contd. of page 2)

· 5.3 Advice for firefighters

· Protective equipment: Self-contained respiratory protective device.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- · 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.
- · 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Pick up mechanically.

· 6.4 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Observe normal care for working with chemicals.

- · Information about fire and explosion protection: No special measures required.
- · Handling Product is intended for dental use only.
- · 7.2 Conditions for safe storage, including any incompatibilities
- ·Storage
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients 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 valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- · Respiratory protection: Not necessary if room is well-ventilated.
- · Hand protection



(Contd. on page 4)

Printing date 24.03.2022 Version number 3 (replaces version 2) Revision: 24.03.2022

Trade name: Calibra Ceram Base

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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.

Natural rubber, NR

Recommended thickness of the material: ≥ 0.12 mm

Permeation: Level ≥ 1

· Penetration time of glove material

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

· Eye/face protection

Safety glasses



Tightly sealed goggles.

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

General Information

• Physical state Fluid

• Colour: According to product specification

Odour: Characteristic
 Odour threshold: Not determined.
 Melting point/freezing point: undetermined

· Boiling point or initial boiling point and boiling

range Undetermined.
• Flammability Not applicable.

· Lower and upper explosion limit

Lower: Not determined.
Upper: Not determined.
Flash point: Not applicable
Ignition temperature: Not applicable
Decomposition temperature: Not determined.
pH Not determined.

· Viscosity:

• Kinematic viscosity
• dynamic:

Not determined.

Not determined.

·Solubility

• Water: Not miscible or difficult to mix

• Partition coefficient n-octanol/water (log value) Not determined. • Vapour pressure: Not determined.

Density and/or relative density

Density:
Density:
Relative density
Vapour density
Not determined.
Not determined.
Not determined.

· 9.2 Other information

· Appearance:

· Form: paste

(Contd. on page 5)

Printing date 24.03.2022 Version number 3 (replaces version 2) Revision: 24.03.2022

Trade name: Calibra Ceram Base

	(Contd. of page
Important information on protection of heal	th and
environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard of	classes
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flamm	able
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· LD/LC	50 value	es relevant for classification:	
ATE (A	Acute To	exicity Estimate)	
Oral	LD50	20,000 mg/kg (rat)	
CAS: 8	868-77-9	2-hydroxyethyl methacrylate	
Oral	LD50	> 5,000 mg/kg (rat)	
Derma	$l \mid LD50$	> 3,000 mg/kg (rabbit)	
CAS: 3	290-92-	4 propylidynetrimethyl trimethacrylate	
Oral	LD50	> 2,000 mg/kg (rat)	
CAS: 1	09-16-0	2,2'-ethylenedioxydiethyl dimetharcylate	
Oral	LD50	> 5,000 mg/kg (rat)	
Derma	$l \mid LD50$	> 2,000 mg/kg (mouse)	
			(Contd. on page

-GB

Printing date 24.03.2022 Version number 3 (replaces version 2) Revision: 24.03.2022

Trade name: Calibra Ceram Base

CAS: 17	709-71-	(Contd. of page 5) 3 3-(Acryloyloxy)-2-hydroxypropyl methacrylate
Oral	LD50	500 mg/kg (ATE)
CAS: 13	31-57-7	oxybenzone
Oral	LD50	7,400 mg/kg (rat)
Dermal	LD50	> 16,000 mg/kg (rabbit)

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- · 11.2 Information on other hazards

· Endocrine	disrupting	properties
-------------	------------	------------

CAS: 131-57-7 oxybenzone

List II

SECTION 12: Ecological information

· 12.1 Toxicity

12.1 Toxicity				
· Aquatic toxicit	· Aquatic toxicity:			
CAS: 868-77-9	9 2-hydroxyethyl methacrylate			
LC50/96h > 1	00 mg/l (Fish acute toxicity study)			
EC50/48h 380	mg/L (daphnia magna)			
CAS: 3290-92-	-4 propylidynetrimethyl trimethacrylate			
LC50/96h 2 m	ng/l (Fish acute toxicity study)			
EC50/48h > 9	0.22 mg/L (daphnia magna)			
CAS: 109-16-0	CAS: 109-16-0 2,2'-ethylenedioxydiethyl dimetharcylate			
LC50/96h 16.4	4 mg/l (Brachydanio rerio)			
EC50/72h > 1	00 mg/l (Pseudokirchnerella subcapitata)			
CAS: 131-57-7	CAS: 131-57-7 oxybenzone			
LC50/96h 100	mg/l (Fish acute toxicity study)			

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Remark: Harmful to fish
- · Additional ecological information:
- · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

Harmful to aquatic organisms

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Trade name: Calibra Ceram Base

(Contd. of page 6)

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport informat	ion	
14.1 UN number or ID number ADR, IMDG, IATA	Void	
14.2 UN proper shipping name ADR, IMDG, IATA	Void	
14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
14.4 Packing group ADR, IMDG, IATA	Void	
14.5 Environmental hazards:	Not applicable.	
14.6 Special precautions for user	Not applicable.	
14.7 Maritime transport in bulk according instruments	g to IMO Not applicable.	
UN "Model Regulation":	Void	

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer.

For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.

· Relevant phrases

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

- · Department issuing SDS: Research & Development
- · Contact: HotLine for urgent technical support: +49-7531-583-350
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.03.2022 Version number 3 (replaces version 2)

Revision: 24.03.2022

Trade name: Calibra Ceram Base

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

* * Data compared to the previous version altered.

Revision: 13.05.2022

Start

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.05.2022

Version number 3 (replaces version 2)

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

- · 1.1 Product identifier
- · Trade name: Prime&Bond active
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture Adhesive
- · Uses advised against No further relevant information available.
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Dentsply DeTrey GmbH

De-Trey-Str. 1

D-78467 Konstanz

GERMANY

Tel.: +49-(0)7531-583-0 Fax: +49-(0)7531-583-104

email: KonstanzDEU.info-sdb@dentsplysirona.com

- · Further information obtainable from: Research and Development
- 1.4 Emergency telephone number: +49-(0)7531-583-0 8:00 17:00 (GMT + 1:00)

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Acute Tox. 4 H302 Harmful if swallowed.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms







GHS02

GHS05

GHS07

- · Signal word Danger
- · Hazard-determining components of labelling:

Bisacrylamide 1

10-Methacryloyl-oxydecyl-dihydrogenphosphate

Bisacrylamide 2

· Hazard statements

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No P210

smoking.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

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Trade name: Prime&Bond active

(Contd. of page 1)

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Additional information:

As this product is a medical device in the meaning of Directive 93/42/EEC and regulation (EC) 2017/745 and intended for use by the end consumer and is applied in an invasive manner or body contact, it is exempt from the labelling requirements according to regulation (EC) 1272/2008.

EUH208 Contains 4-(dimethylamino)benzonitrile. May produce an allergic reaction.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
Bisacrylamide 1	25 – 50%	
Acute Tox. 4, H302; Eye Irrit. 2, H319		
propan-2-ol	≥10-<20%	
Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336		
10-Methacryloyl-oxydecyl-dihydrogenphosphate	≥10-<20%	
Skin Corr. 1B, H314		
Dipentaerythritol pentaacrylate phosphate	≥ 2.5 - < 10%	
Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335		
Specific concentration limit: STOT SE 3; $C \ge 10 \%$		
Bisacrylamide 2	≥ 2.5 - < 10%	
Acute Tox. 4, H302; Eye Irrit. 2, H319		
dl-bornane-2,3-dione	≤2.5%	
Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335		
CAS: 1197-19-9 4-(dimethylamino)benzonitrile		
Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335		
	Acute Tox. 4, H302; Eye Irrit. 2, H319 propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 10-Methacryloyl-oxydecyl-dihydrogenphosphate Skin Corr. 1B, H314 Dipentaerythritol pentaacrylate phosphate Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Specific concentration limit: STOT SE 3; C ≥ 10 % Bisacrylamide 2 Acute Tox. 4, H302; Eye Irrit. 2, H319 dl-bornane-2,3-dione Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 4-(dimethylamino)benzonitrile Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens.	

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information Immediately remove any clothing soiled by the product.
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Immediately wash with water and soap and rinse thoroughly.
- · After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing Drink plenty of water and provide fresh air. Call for a doctor immediately.
- Information for doctor No further relevant information available.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents CO2, sand, extinguishing powder. Do not use water.

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(Contd. of page 2)

Safety data sheet according to 1907/2006/EC, Article 31

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Trade name: Prime&Bond active

· For safety reasons unsuitable extinguishing agents

Water with full jet.

Water.

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters
- · Protective equipment: Self-contained respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· 6.4 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Observe normal care for working with chemicals.

Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · Handling Product is intended for dental use only.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- · Information about storage in one common storage facility: Store away from oxidising agents.
- Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

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Trade name: Prime&Bond active

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm

- · Regulatory information WEL: EH40/2020
- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- · Respiratory protection: Not necessary if room is well-ventilated.
- · Hand protection



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection



Tightly sealed goggles.

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information

· Physical state Fluid · Colour: Fluid

Odour:
 Odour threshold:
 Melting point/freezing point:

Product specific
Not determined
undetermined

· Boiling point or initial boiling point and boiling

range Undetermined.

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Trade name: Prime&Bond active

(Contd. of page 4) · Flammability Not applicable. · Lower and upper explosion limit · Lower: 2 Vol % · Upper: 13.4 Vol % 30.5 °C · Flash point: · Ignition temperature: Not applicable · Decomposition temperature: Not determined. · pH at 20 °C 2.5 · Viscosity: · Kinematic viscosity Not determined. · dynamic at 20 °C: 20 mPas Solubility · Water: Partly miscible · Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure at 20 °C: 43 hPa Density and/or relative density Density at 20 °C: 1.013 g/cm³ · Relative density Not determined. Not determined. · Vapour density 9.2 Other information · Appearance: · Form: Fluid · Important information on protection of health and environment, and on safety. · Auto-ignition temperature: Product is not selfigniting. · Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible. · Solvent content: 15.5 % · Organic solvents: 19.5 % · Water: · Change in condition · Evaporation rate Not determined. · Information with regard to physical hazard classes · Explosives Void · Flammable gases Void · Aerosols Void · Oxidising gases Void · Gases under pressure Void · Flammable liquids Flammable liquid and vapour. · Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void · Pyrophoric solids Void · Self-heating substances and mixtures Void · Substances and mixtures, which emit flammable gases in contact with water Void · Oxidising liquids Void · Oxidising solids Void · Organic peroxides Void · Corrosive to metals Void · Desensitised explosives Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

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Printing date 13.05.2022 Version number 3 (replaces version 2) Revision: 13.05.2022

Trade name: Prime&Bond active

(Contd. of page 5)

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Harmful if swallowed.

Acute to	Acute toxicity Harmyai y Swattowea.				
· LD/LC5	· LD/LC50 values relevant for classification:				
ATE (A	ATE (Acute Toxicity Estimate)				
Oral	LD50	1,104 mg/kg (rat)			
Bisacry	Bisacrylamide 1				
Oral	LD50	500 mg/kg (rat)			
CAS: 67	CAS: 67-63-0 propan-2-ol				
Oral	LD50	5,045 mg/kg (rat)			
Dermal	LD50	12,800 mg/kg (rab)			
CAS: 85	CAS: 85590-00-7 10-Methacryloyl-oxydecyl-dihydrogenphosphate				
Oral	LD50	> 2,000 mg/kg (rat)			
Bisacry	Bisacrylamide 2				
Oral	LD50	500 mg/kg (rat)			
CAS: 11	CAS: 1197-19-9 4-(dimethylamino)benzonitrile				
Oral	LD50	500 mg/kg (ATE)			

- · Skin corrosion/irritation Causes severe skin burns and eye damage.
- · Serious eye damage/irritation Causes serious eye damage.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:			
CAS: 67-63-0 propan-2-ol			
LC50/96h	1,400 mg/l (Fish acute toxicity study)		
EC50/48h	13,299 mg/L (daphnia magna)		

CAS: 85590-00-7 10-Methacryloyl-oxydecyl-dihydrogenphosphate

EC50/48h > 100 mg/L (daphnia magna)

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Remark: Harmful to fish

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Printing date 13.05.2022 Version number 3 (replaces version 2) Revision: 13.05.2022

Trade name: Prime&Bond active

(Contd. of page 6)

- · Additional ecological information:
- · General notes:

Harmful to aquatic organisms

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN number or ID number	
ADR, IMDG, IATA	UN2920
14.2 UN proper shipping name	
ADR	2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Methacryloyl-oxydecyl-dihydrogenphospha ISOPROPANOL (ISOPROPYL ALCOHOL))
IMDG, IATA	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Methacryloyl-oxydecyl-dihydrogenphospha ISOPROPANOL (ISOPROPYL ALCOHOL))
14.3 Transport hazard class(es)	
ADR	
Class Label	8 (CF1) Corrosive substances. 8+3
IMDG	0+3
Class	8 Corrosive substances.
Label	8/3
IATA	
Class	8 Corrosive substances.
Label	8 (3)

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Trade name: Prime&Bond active

	(Contd. of page
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number:	Warning: Corrosive substances. 83 F-E,S-C
Stowage Category Stowage Code	E SW1 Protected from sources of heat. SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IM instruments	Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category Tunnel restriction code	2 D/E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 2920 CORROSIVE LIQUID, FLAMMABLE, N.O. (10-METHACRYLOYL-OXYDECYL DIHYDROGENPHOSPHATE, ISOPROPANO (ISOPROPYL ALCOHOL)), 8 (3), II

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer.

For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.

· Relevant phrases

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

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Trade name: Prime&Bond active

(Contd. of page 8)

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

- · Department issuing SDS: Research & Development
- · Contact: HotLine for urgent technical support: +49-7531-583-350
- · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids - Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.

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