

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 1 von 9

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

1.1. Product identifier

Name of product: **IMPRIMO® LC Gingiva**

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

Use of the substance/mixture

Methacrylate based resin for DLP systems with 405 nm light source for the productions of dental models.

1.3. Details of the supplier of the safety data sheet

Manufacturer / distributor

SCHEU DENTAL GmbH

Am Burgberg 20

D-58642 Iserlohn

Tel. +49 (2374) 9288-0

Fax +49 (2374) 9288-90

eMail: service@SCHEU-DENTAL.com

Internet: www.SCHEU-DENTAL.com

1.4. Emergency telephone number: +49 (2374) 9288-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Skin Sens. 1; H317 , STOT SE 3; H335

2.2. Label elements

Signal word: Warning

Pictograms: GHS07



Hazard statements

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

Precautionary statements

P261	
P264.1	Wash hands thoroughly after handling.
P271	
P272	
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water./?
P304+P340	
P305+P351+338	
P312	
P321	Specific treatment (see.? on this label)
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 2 von 9

P337+313	
P362+364	Take off contaminated clothing and wash it before reuse.
P403+233	
P405	
P501	

Hazardous component(s) for labelling:

Methacrylsäuretetrahydrofurfurylester

Special labelling of particular preparations:

none

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous components

EC-No.	Bezeichnung	Anteil
CAS-No.	Einstufung gemäß Verordnung (EG) Nr. 1272/2008 [CLP]	
Index-No.		
REACH-No.		
609-946-4	Bisphenol A-ethoxylat (2EO/Phenol) Dimethacrylat	< 35 %
41637-38-1		
01-2119980659-17-0000		
219-529-5	Methacrylic acid tetrahydrofurfuryl ester	< 35 %
2455-24-5	Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE3; H335	
607-134-00-4		
01-2120748481-53-0000		
278-355-8	Diphenyl-(2,4,6-trimethylbenzoyl)phosphinoxid	< 2 %
75980-60-8	Repr. 2,H361	
01-2119972295-29-0000		

Full text of H- and EUH-phrases: see Section 16.

Additional information

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off immediately all contaminated clothing.
After inhalation:	Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration. Call a physician immediately.
After contact with skin:	Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Call a physician immediately.
After contact with eyes:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 3 von 9

After ingestion: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. High power water jet. Carbon dioxide (CO₂). Extinguishing powder. Foam

Unsuitable extinguishing media

-

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide.

5.3. Advice for firefighters

General information

In case of fire and/or explosion do not breathe fumes. Co-ordinate fire-fighting measures to the fire surroundings.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

Additional information

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: Sand Kieselguhr Sawdust Take up mechanically, placing in appropriate containers for disposal.

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

When using do not eat, drink, smoke, sniff. All work processes must always be designed so that the following is excluded: Inhalation

Precautions against fire and explosion

Always close containers tightly after the removal of product. Use only in well-ventilated areas.

Additional information

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 4 von 9

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Only use the material in places where open light, fire and other flammable sources can be kept away.

Hints on joint storage

-

7.3. Specific end use(s)

Observe instructions for use

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

occupational exposure limit value (TRGS 900)

Substance:	CAS-No:		Source:	Occupational exposure limit value: [ppm]	Occupational exposure limit value: [mg/m ³]	Limitation of exposure peaks:	Remark:
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Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No:		Source:	Occupational exposure limit value: [ppm]	Occupational exposure limit value: [mg/m ³]	Limitation of exposure peaks:	Remark:
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DNEL/DMEL-values

DNEL value

Substance:	CAS-No:	DNEL/DMEL
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PNEC-Wert

Substance:	CAS-No:	PNEC
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Additional information

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8.2. Exposure controls

Occupational exposure controls:

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General protection and hygiene measures:

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Only war fitting, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection necessary at: Formation of aerosol. Suitable respiratory protection apparatus: Combination filter device (DIN EN 141).

Hand protection

Tested protective gloves are to be worn: DIN-/EN-Norms DIN EN 374

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 5 von 9

Eye/face protection

Tightly sealed safety glasses. Eye-shade.

Body protection:

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing. Barrier creams are not substitutes for body protection.

Environmental exposure controls

-

Consumer exposure controls

-

Exposure Scenario:

-

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	rose opaque
Odour:	ester like
Odour threshold:	

Safety relevant basis data

Density at 20° C:	1,1 g/cm ³
Bulk density:	no data available
pH:	no data available
Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point:	no data available
Flammability (solid, gas):	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Ignition temperature:	no data available
Decomposition temperature:	no data available
Oxidizing potential:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Evaporation rate:	no data available
Water solubility:	no data available
Fat solubility:	no data available
Soluble in:	no data available
Partition coefficient: n-octanol/water	no data available
Viscosity at 20°C:	2.5 Pas
Solvent separation test:	no data available
Solvent content:	no data available

9.2. Other information

none

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 6 von 9

SECTION 10: Stability and reactivity

10.1. Reactivity

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10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Polymerisation

10.4. Conditions to avoid

Heat. UV-radiation/sunlight

10.5. Incompatible materials

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon dioxide. Carbon monoxide.

Additional information

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

There are no data available on the mixture itself.

M-factor: -

Acute toxicity (oral): -

Acute toxicity (dermal): -

Acute toxicity (inhalative): -

Acute toxicity

Substance:	CAS-No.:	Toxicological information
(Diphenyl-(2,4,6-trimethylbenzoyl)phosphinoxid)	75980-60-8	
(Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat)	41637-38-1	
(Methacrylsäuretetrahydrofurfurylester)	2455-24-5	

Skin corrosion/irritation:

Irritant

Serious eye damage/irritation:

Irritant

Respiratory or skin sensitisation:

There are no data available on the preparation/mixture itself.

CMR effects (carcinogenic / mutagenic / toxic / effects for reproduction)

Carcinogenicity: -

Germ cell mutagenicity: -

Reproductive toxicity: -

STOT-single exposure:

-

STOT-repeated exposure:

-

Aspiration hazard:

There are no data available on the preparation/mixture itself.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 7 von 9

SECTION 12: Ecological Information

12.1. Toxicity

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
(Diphenyl-(2,4,6-trimethylbenzoyl)phosphinoxid)	75980-60-8	
(Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat)	41637-38-1	
(Methacrylsäuretetrahydrofurfurylester)	2455-24-5	

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Appropriate disposal / product:

Dispose of waste according to applicable legislation.

Appropriate disposal / package:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

List of proposed waste codes/waste designations according to EWC / AVV

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste key product: 08 04 09

waste adhesives and sealants containing organic solvents or other dangerous substances

Waste key packaging: 15 01 10

packaging containing residues of or contaminated by dangerous substances

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 8 von 9

SECTION 14: Transport Information**Land transport (ADR/RID)**

14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	
Hazard label:	
Classification code:	
Special Provisions:	
Limited quantity:	
Transport category:	
Hazard No:	
Tunnel restriction code:	
Other applicable information (land transport)	

Inland waterways transport (ADN)

14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	
Hazard label:	
Classification code:	
Spezial Provisions:	
Limited quantity:	
Other applicable information (inland waterways transport)	

Marine transport (IMDG)

14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	
Hazard label:	
Special Provisions::	
Limited quantity:	
EmS:	
Other applicable information (marine transport):	

Air transport (ICAO)

14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	
Hazard label:	
Special Provisions:	
Limited quantity Passenger:	
IATA-packing instructions - Passenger:	
IATA-max. quantity - Passenger:	
IATA-packing instructions - Cargo:	
IATA-max. quantity - Cargo:	
Other applicable information (air transport)	
Passenger-LQ:	

14.5. Environmental hazards**14.6. Special precautions for user**

Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 9 von 9

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Remark -

SECTION 15: Regulatory Information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

Information on Regulation (EC) No 166/2006 establishing a European Pollutant Release and Transfer Register:

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Regulation (EC) No 1005/2009 on substances that lead to the depletion of the ozone layer:

-

Regulation (EC) No. 648/2004 (Detergents regulation)

-

Regulation (EC) No. 850/2004 [POP-Regulation]:

-

Regulation (EU) No 649/2012 on the export and import of dangerous chemicals:

-

Use restriction according to REACH annex XVII, no.:

-

National regulations

Observe in addition any national regulations!

Other regulations, restrictions and prohibition regulations

-

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out.

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SECTION 16: Other Information**Abbreviations and acronyms**

ADR	Accord européen sur le transport 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 Harmonized 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
LC50	Lethal concentration, 50 %
LD50	Lethal dose, 50 %

Relevant H- and EUH-phrases (number and full text)**Hazard statements**

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

Training advice

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Material Safety Data Sheet according to (EC) 1907/2006

Tradename:

IMPRIMO® LC Gingiva

Status: 18.03.2020

Page: 10 von 9

Recommended restrictions of use:

Refer to chapter 1.

Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes:

-

Key literature references and sources for data:

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