

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



Tradename:

**IMPRIMO® LC Temp It**

Status: 17.12.2020

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

### 1.1. Product identifier

Name of product: **IMPRIMO® LC Temp It**

### 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 385 nm light sources.

### 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](mailto:service@SCHEU-DENTAL.com)

Internet: [www.SCHEU-DENTAL.com](http://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 Dam. 1, H318

Skin Sens. 1/1A/1B; H317

STOT SE 3, H335

Aquatic Chronic 3; H412

### 2.2. Label elements

Signal word: Danger

Pictograms: GHS07



#### Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of water and soap.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310	Immediately call a doctor.
P312	Call a doctor if you feel unwell.
P321	Specific treatment (see information on label).
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P362+364	Take off contaminated clothing and wash it before reuse.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to?

**Hazardous component(s) for labelling:**

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**Special labelling of particular preparations:**

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**2.3. Other hazards**

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

**SECTION 3: Composition / information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures**

Mixture related information

**Hazardous components**

EC-No.	Substance	Concentration
CAS-No.	According to Regulation (EC) No. 1272/2008 (REACH)	
Index-No.		
REACH-No.		
276-957-5	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5-12-diazahexadecane-1,16-diyl bismethacrylate	20 - 50 %
72869-86-4	Skin Sens. 1/1A/1B, H317	
01-2120751202-68-0000		
203-653-1	3,6,9-trioxaundecamethylene dimethacrylate	10 - 25 %
109-17-1		
01-2120762746-43-0000		
231-545-4	Siliciumdioxid	< 50 %
7631-86-9		
01-2119379499-16-0000		
423-340-5	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	< 2 %
162881-26-7		
01-2119489401-38-0000		

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, seek medical advice immediately (show doctor directions for use or safety data sheet if possible). Take off immediately all contaminated clothing.

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- After inhalation:** Move victim to fresh air. Instruct person to keep calm and warm. If problems persist call a physician.
- After contact with skin:** Take off all contaminated clothing immediately. In case of contact with skin, wash immediately with: plenty of water and soap. If problems persist call a physician. Take off immediately all contaminated clothing.
- After contact with eyes:** In case of contact with eyes rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
- After ingestion:** Rinse mouth immediately and drink large quantities of water. Never give anything by mouth to an unconscious person or a person with cramps. Do not induce vomiting. If problems persist call a physician.

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

No symptoms known up to now.

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

Provide with fresh air. First aid, decontamination, symptomatic treatment.

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**SECTION 5: Firefighting measures**

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**5.1. Extinguishing media**

**Suitable extinguishing media**

Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

Water fog. High power water jet. Water. Foam.

**5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**5.3. Advice for firefighters**

**General information**

Move undamaged containers from immediate hazard area if it can be done safely. Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers.

**Special protective equipment for firefighters:**

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

**Additional information**

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**SECTION 6: Accidental release measures**

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**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Remove persons to safety. Provide adequate ventilation. Keep away from unprotected people. Keep upwind. Remove all sources of ignition.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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**SECTION 7: Handling and Storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray. Keep away from sources of ignition – No smoking.

**Precautions against fire and explosion**

Take precautionary measures against static discharges.

**Additional information**

none.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Protect against direct sunlight.

**Hints on joint storage**

Do not store together with: Oxidizing agent.

**7.3 Specific end use(s)**

Observe instructions for use.

**Further information on storage conditions****SECTION 8: Exposure controls / personal protection****8.1. Control parameters****occupational exposure limit value (TRGS 900)**

CAS-No.	Chemical name	Source:	Occupational exposure limit value: [ppm]	Occupational exposure limit value: [mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:
7631-86-9	Siliciumdioxid	TRGS 900		4 E		DFG, 2, Y

**Substance with a common (EC) occupational exposure limit value****DNEL/DMEL-Werte**

CAS-No.	Chemical name	
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5-12-diazahexadecane-1,16-diyl bismethacrylate	worker inhalative (systemic) 3,3 mg/m <sup>3</sup> worker dermal (systemic) 1,3 mg/m <sup>3</sup> /24h Verbraucher inhalative (systemic) 0,6 mg/m <sup>3</sup> Verbraucher dermal (systemic) 0,7 mg/m <sup>3</sup> /24h Verbraucher (systemic) 0,3 mg/m <sup>3</sup> /24h

**PNEC-Wert**

CAS-No.	Chemical name	PNEC
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5-12-diazahexadecane-1,16-diyl bismethacrylate	(fresh water) 0,01 mg/l (sea water) 0,001 mg/l (sewage treatment plant) 3,61 mg/l (fresh water sediment) 4,56 mg/kg (marine sediment) 0,46 mg/kg (soil) 0,91 (mg/kg soil)

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**Additional information**

None.

**8.2. Exposure controls****Occupational exposure controls.**

Provide adequate ventilation as well as local exhaustion at critical locations. Technical measures and the application of suitable work processes have priority over personal protection equipment.

**General protection and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

**Personal protection equipment**

Only wear fitting, comfortable and clean protective clothing.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**Hand protection**

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN):  
DIN EN 374 Suitable material: Butyl rubber.

**Eye/face protection**

Tightly sealed safety glasses.

**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.**

Refer to chapter 7. No further action is necessary.

**Consumer exposure controls**

Refer to chapter 7. No further action is necessary.

**Exposure Scenario**

No information available.

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

<b>Physical state:</b>	liquid
<b>Colour:</b>	see product labeling
<b>Odour:</b>	characteristic
<b>Odour threshold:</b>	no data available

**Safety relevant basis data**

<b>Density:</b>	1,2 – 1,4 g/cm <sup>3</sup>
<b>Bulk density:</b>	no data available
<b>pH:</b>	no data available
<b>Melting point/freezing point:</b>	no data available
<b>Initial boiling point and boiling range:</b>	no data available
<b>Flash point:</b>	no data available
<b>Flammability (solid, gas):</b>	no data available
<b>Lower explosion limit:</b>	no data available
<b>Upper explosion limit:</b>	no data available
<b>Ignition temperature:</b>	no data available
<b>Decomposition temperature:</b>	no data available
<b>Oxidizing potential:</b>	no data available
<b>Vapour pressure:</b>	no data available
<b>Vapour density:</b>	no data available

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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:	1,5 – 3 Pa·s
Solvent separation test:	no data available
Solvent content:	no data available

**9.2. Other information**

No known hazardous reactions.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None.

**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**

No special measures are necessary. Seek medical attention if problems persist. Humidity.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic. Carbon dioxide, Carbon monoxide.

**Additional information****SECTION 11: Toxicological Information****11.1. Information on toxicological effects**

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

**M-factor:** -**Acute toxicity (oral):** -**Acute toxicity (dermal):** -**Acute toxicity (inhalative):** -**Acute toxicity**

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	Source
7631-86-9	Siliciumdioxid					
109-17-1	3,6,9-trioxaundecamethylene dimethacrylate	dermal		LD50 > 3000 mg/kg	rabbit	
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4, 13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	oral		LD50 > 5000 mg/kg	rat	
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide					

**Skin corrosion/irritation:**

No data available.

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**Serious eye damage/irritation:**

No data available.

**Respiratory or skin sensitisation:**

May cause sensitization especially in sensitive humans.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Carcinogenicity:**

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

No indication of human carcinogenicity. (Bridging principle "Dilution").

**Germ cell mutagenicity:**

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

No indication of human germ cell mutagenicity. (Bridging principle "Dilution").

**Reproductive toxicity:**

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

No indication of human reproductive toxicity. (Bridging principle "Dilution").

**STOT-single exposure:**

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

**STOT-repeated exposure:**

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

**Aspiration hazard:**

No data available.

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**SECTION 12: Ecological Information**

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**12.1. Toxicity**

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

CAS-No.	Substance	Ecotoxicity
109-17-1	3,6,9-trioxaundecamethylene dimethacrylate	
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4, 13—dioxo-3, 14-dioxa-5, 12-diazahexadecane-1, 16-diyl bismethacrylate	LC50 (daphnia) > 1,2 mg/l EC50 (algae) (72h) > 0,68 mg/l
162881-26-7	Phenyl bis (2,4,6-trimethylbenzoyl)-phosphine oxide	LC50 fish (96 h) 0,09 mg/l LC50 crustaceans (48 h) 1,175 mg/l EC50 algae (96 h) 0,26 mg/l

**12.2. Persistence and degradability**

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

**12.3. Bioaccumulative potential**

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

**12.4. Mobility in soil**

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

**12.5. Results of PBT an vPvB assessment**

This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

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

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**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Appropriate disposal / Product:**

Waste disposal according to EC Directives 2008/98//EEC on waste and hazardous waste.

**Appropriate disposal / Package**

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

**List of proposed waste codes/waste designations in accordance with EWC**

According to AVV, 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**SECTION 14: Transport Information****Land transport (ADR/RID)**

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

**Inland waterways transport (ADN)**

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

**Marine transport (IMDG)**

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



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**Air transport (ICAO)**

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

**14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Remark none

**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:**  
not relevant**Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer:**  
not relevant**Regulation (EC) No. 648/2004 (Detergents regulation)**  
not relevant**Regulation (EC) No. 850/2004 [POP-Regulation]:**  
not relevant**Regulation (EC) No. 649/2012 on the export and import of dangerous chemicals:**  
not relevant**Use restriction according to REACH annex XVII, no.:**  
not relevant**National regulatory information**

Observe in addition any national regulations!

**Restrictions of occupation**

No information available.

**Other regulations, restrictions and prohibition regulations**

none

**15.2. Chemical Safety Assessment****For this preparation a chemical safety assessment has been carried out.**

Chemical safety assessments for substances in this mixture were not 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**

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.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**Training advice**

none

**Recommended restrictions of use:**

No special measures are necessary.

**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:**

none

**Key literature references and sources for data**

Data arise from reference works and literature.

**Abbreviations and acronyms**

none