

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



Tradename:

## IMPRIMO LC Impression

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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 Impression

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

##### Use of the substance/mixture

Methacrylate based resin for stereolithographysystems

#### 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 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

P264.1	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water./?
P321	Specific treatment (see.? on this label)
P332+313	If skin irritation occurs: Get medical advice/attention.
362+364	Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards

No information available.

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### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

not applicable

#### 3.2. Mixtures

##### Hazardous components

EG-Nr.	Chemical name	Quantity
CAS-Nr.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Index-Nr.		
REACH-Nr.		
423-340-5	Bisphenol A-ethoxylat (2EO/Phenol) Dimethacrylat	< 99 %
41637-38-1	Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , STOT SE3; H335	
015-189-00-5		
278-355-8	Diphenyl-(2,4,6-trimethylbenzoyl)phosphinoxid	< 1 %
75980-60-8	Eye Irrit. 2; H319	
271-893-4	Dimethyldichlorsilan, Reaktionsprodukte mit Siliciumdioxid	< 1 %
68611-44-9		
219-470-5	Drometrisole	< 1 %
2440-22-4	Eye Irrit. 2; H319	

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:** Remove contaminated, saturated clothing immediately. When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice.
- After inhalation:** Provide fresh air.
- After contact with skin:** Wash immediately with: water and soap.
- 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.
- After ingestion:** Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

#### 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.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Dry extinguishing powder. Dry sand.

#### **Unsuitable extinguishing media**

Excess water.

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

In case of fire: Wear self-contained breathing apparatus. Coordinate fire fighting measures to the fire surroundings.

### 5.3. Advice for firefighters

#### **General information**

Do not inhale explosion and combustion gases. Coordinate fire fighting measures to the fire surroundings.

#### **Special protective equipment for firefighters:**

In case of fire: Wear self-contained breathing apparatus. Do not inhale explosion and combustion gases. Coordinate fire fighting measures to the fire surroundings.

#### **Additional information**

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## SECTION 6: Accidental release measures

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### 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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

### 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

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### 7.1. Precautions for safe handling

#### **Advice on safe handling**

All work processes must always be designed so that the following is excluded: Inhalation

#### **Technical measures**

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**

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Technical measures and storage conditions**

Only use the material in places where open light, fire and other flammable sources can be kept away. Use only in well-ventilated areas.

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### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

### Hints on joint storage

Keep only in the original container in a cool, well-ventilated place. Keep in a cool, well-ventilated place.

**Storage class:** 10 Combustible liquids unless LGK 3A or 3B.

### 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	ppm	mg/m <sup>3</sup>	F/m <sup>3</sup>		
41637-38-1	Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat					
75980-60-8	Diphenyl-(2,4,6- trimethylbenzoyl)phos phinoxid					
68611-44-9	Dimethyldichlorsilan, Reaktionsprodukte mit Siliciumdioxid					
2440-22-4	Drometrizole					

#### Substance with a common (EC) occupational exposure limit value

#### DNEL/DMEL-Werte

CAS-No.	Chemical name			
DNEL Typ		Exposure	Effects	Value
41637-38-1	Bisphenol A-ethoxylat (2EO/ Phenol) Dimethacrylat			
75980-60-8	Diphenyl-(2,4,6- trimethylbenzoyl)phosphinoxid			
68611-44-9	Dimethyldichlorsilan, Reaktionsprodukte mit Siliciumdioxid			
2440-22-4	Drometrizole			

#### PNEC-Wert

CAS-No.	Chemical name			
PNEC		Exposure	Effects	Value
41637-38-1	Bisphenol A-ethoxylat (2EO/ Phenol) Dimethacrylat			
75980-60-8	Diphenyl-(2,4,6- trimethylbenzoyl)phosphinoxid			
68611-44-9	Dimethyldichlorsilan, Reaktionsprodukte mit Siliciumdioxid			
2440-22-4	Drometrizole			

Risk management measures according to used control banding approach.

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**8.2. Exposure controls**

Occupational exposure controls.

General protection and hygiene measures

**Eye/face protection**

Eye glasses with side protection.

**Hand protection**

NBR (Nitrile rubber)

**Skin protection**

lab coat

**Respiratory protection**

Respiratory 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:	various
Odour:	specific
Odour threshold:	

**Safety relevant basis data**

Density:	1,1 g/cm <sup>3</sup>
Bulk density:	unapplicable
pH:	unapplicable
Melting point/freezing point:	unapplicable
Initial boiling point and boiling range:	unapplicable
Flash point:	>150 °C
Flammability (solid, gas):	unapplicable
Lower explosion limit:	unapplicable
Upper explosion limit:	unapplicable
Ignition temperature:	unapplicable
Decomposition temperature:	unapplicable
Oxidizing potential:	unapplicable
Vapour pressure:	unapplicable
Vapour density:	unapplicable
Evaporation rate:	unapplicable
Water solubility:	insoluble
Fat solubility:	no
Soluble in:	in most of organic solvent
Partition coefficient: n-octanol/water	unapplicable
Viscosity:	ca. 700 - 1200 Pa·s
Solvent separation test:	unapplicable
Solvent content:	unapplicable

**9.2. Other information**

Solid content

not determined

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

unapplicable

### 10.2. Chemical stability

unapplicable

### 10.3. Possibility of hazardous reactions

unapplicable

### 10.4. Conditions to avoid

Reaction with light, risc of polymerisation.

### 10.5. Incompatible materials

Reaction with peroxides and radicalic compounds

### 10.6. Hazardous decomposition products

Unstable products can polymerise spontan

### Additional information

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	Source
41637-38-1	Bisphenol A-ethoxylat (2EO/Phenol)Dimethacrylat				
	oral				
	dermal				
278-355-8	Diphenyl-(2,4,6-trimethylbenzoyl)phosphin				
	oral				
	dermal				
271-893-4	Dimethyldichlorsilan, Reaktionsprodukte mit Siliciumdioxid				
	oral				
	dermal				
219-470-5	Drometizole				
	oral				
	dermal				

#### Irritation and etching

Irritant effect on the skin

Irritant effect on the eye

Irritant effect on the respiratory tract

#### Sensitization

#### Repeated dose toxicity (subacute, subchronic, chronic)

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

Carcinogenicity

Germ cell mutagenicity

Reproductive toxicity

#### General remarks

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Practical experience/human evidence

Other observations

Other information

**SECTION 12: Ecological Information****12.1. Toxicity****Ecotoxicity**

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
41637-38-1	Bisphenol A-ethoxylat (2EO/Phenol)Dimethacrylat					

**12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT an vPvB assessment****12.6. Other adverse effects**

Further ecological information

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package**

Appropriate disposal / Package

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

Waste code product:

Waste code packaging:

remark

**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:	

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Tunnel restriction code:

**Other applicable information (land transport)****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>	

**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**

not applicable

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

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer.

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



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### National regulatory information

Observe in addition any national regulations!

### Storage class

10 Combustible liquids unless LGK 3A or 3 B

### Water hazard class (WGK)

1 weak water pollutant (WGK 1)

### Other regulations, restrictions and prohibition regulations

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were carried out:

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## SECTION 16: Other Information

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### 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.

### 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.