

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



Tradename:

IMPRIMO LC Model

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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 Model**

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 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

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

EC-No..	Chemical name	Quantity
CAS-No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Index-No.		
REACH-No.		
	Bisphenol A-ethoxylat (2EO/Phenol) Dimethacrylat	
41637-38-1	Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , STOT SE3; H335	

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder Dry sand

Unsuitable extinguishing media

Excess water

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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 fire fighters:

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

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. Do not allow to enter into surface water or drains.

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

SECTION 7: Handling and Storage

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

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

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

CAS-No.	Chemical name	ppm	mg/m ³	F/m ³		
41637-38-1	Bisphenol A-ethoxylat (2 EO/Phenol) Dimethacrylat					

DNEL/DMEL-Werte

CAS-No.	Chemical name				
DNEL Typ		Exposure	Effects	Value	
41637-38-1	Bisphenol A-ethoxylat (2EO/Phenol) Dimethacrylat				

PNEC-Wert

CAS-No.	Chemical name				
PNEC		Exposure	Effects	Value	
41637-38-1	Bisphenol A-ethoxylat (2EO/Phenol) Dimethacrylat				

Risk management measures according to used control banding approach.**Additional information****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:	different
Odour:	various

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Odour threshold:

Safety relevant basis data

Density:	1,1 g/cm ³
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 - 1200mPa·s
Solvent separation test:	unapplicable
Solvent content:	unapplicable

9.2. Other information

Solid content not determined

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**

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Acute toxicity

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	Source
41637-38-1	Bisphenol A-ethoxylat (2EO/Phenol)Dimethacrylat				
	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**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

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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)**

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:	

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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****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)

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:

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.

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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.