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 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
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. 1/1A/1B, 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	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash 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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of water/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.
P312	Call a POISON CENTER/doctor if you feel unwell.

P321	Specific treatment (see label).
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P337+313	If eye irritation persists: 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 acc. to official regulations.

Hazardous component(s) for labelling:
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid

Special labelling of particular preparations:
Safety data sheet available on request.

2.3. Other hazards
No risks worthy of mention.

SECTION 3: Composition / information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
Mixture with, among others, the following ingredients and other non-hazardous admixtures

Hazardous components

EG-Nr.	Chemical name	Quantity
CAS-Nr.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Index-Nr.		
REACH-Nr.		
278-355-8	Diphenyl-(2,4,6-trimethylmenzoyl)phosphinoxide	< 2 %
75980-60-8	Repr. 2, H361	
01-2119980659-17-XXXX		
609-946-4	Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	> 95 %
41637-38-1	Skin Irrit. 2, H315; Skin Sens. 1/1A/1B, H317; Eye Irrit. 2, H319; STOT SE 3, H335	
01-2119972295-29-XXXX		

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. Seek medical attention if problems persist.

After contact with skin: After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

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. Seek medical attention if problems persist.

After ingestion: Rinse mouth immediately and drink large quantities of water. No administration in cases of unconsciousness or cramps. Do NOT induce vomiting. Seek medical attention if problems persist.

4.2. Most important symptoms and effects, both acute and delayed
No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed
First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Water Fog. High power water jet. Water. Foam. Carbon dioxide (CO2). Dry extinguishing powder.

Unsuitable extinguishing media
none

5.2. Special hazards arising from the substance or mixture
none

5.3. Advice for firefighters
General information
Coordinate extinguishing measures with the environment

Special protective equipment for firefighters:
none

Additional information

SECTION 6: Accidental release measures

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.

6.2. Environmental precautions
Do not empty into drains or the aquatic environment. 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 assimilated material according to 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

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.

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 and in a well-ventilated place. Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.

Hints on joint storage
Do not store together with: Oxidizing agents. Keep away from food, drink and animal feedingstuffs.

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

Substance	CAS-No.		Source	Occupational exposure limit value: [ppm]	Occupational exposure limit value: [mg/m³]	Limitation of exposure peaks:	Remark:

Substance with a common (EC) occupational exposure limit value

Substance	CAS-No.		Source	Occupational exposure limit value: [ppm]	Occupational exposure limit value: [mg/m³]	Limitation of exposure peaks:	Remark:

DNEL/DMEL-Werte

CAS-No.	Chemical name	
41637-38-1	Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	worker inhalative (systemisch) 3,52 mg/m³ worker dermal (systemisch) 2 mg/m³/24h Verbraucher inhalative (systemisch) 870 µg/m³ Verbraucher dermal (systemisch) 1 mg/m³/24h Verbraucher (systemisch) 500 µg/m³/24h

PNEC-Wert

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

Personal protection equipment
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection
Respiratory protection necessary at: Suitable respiratory protection apparatus: Protective respiration apparatus not using surrounding air (breathing apparatus) (DIN EN 133).

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:
Suitable protective clothing: Overall. 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.

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
None.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	see product labeling
Odour:	characteristic
Odour threshold:	no data available

Safety relevant basis data

Density:	1,1 g/cm³
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:	113 °C
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:	0,4 – 1,5 Pa·s
Solvent separation test:	no data available
Solvent content:	no data available

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
None.

10.2. Chemical stability
With proper storge and handling the product is stable.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Heat. UV-radiation/sunlight

10.5. Incompatible materials
None.

10.6. Hazardous decomposition products
In case of fire may be liberated. Pyrolysis products, toxic.

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

CAS No.	Chemical name			
	Exposure routes	Method Dose	Species	Source
41637-38-1	Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid			
	oral	LD50 2000 mg/kg	rat	

Skin corrosion/irritation:
May cause an allergic skin reaction.

Serious eye damage/irritation:
Strongly irritant. Risk of serous damage to eyes.

Respiratory of skin sensitisation:
May cause sensitization especially in sensitive humans.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity:
No indications of human carcinogenicity exist.

Germ cell mutagenicity:
No indications of human germ cell mutagenicity exist.

Reproductive toxicity:
No indications of human reproductive toxicity exist.

STOT-single exposure:
No information available.

STOT-repeated exposure:
No information available.

Aspiration hazard:
No information available.

SECTION 12: Ecological Information

12.1. Toxicity
There are no data available on the mixture itself.

Ecotoxicity

CAS No	Substance:	Ecotoxicity
41637-38-1	Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	LC50 (fish, 96 h) 100 mg/l LC50 (crustaceans, 48 h) 6 mg/l LC50 (algae, 72h) 100 mg/l
75980-60-8	Diphenyl-(2,4,6-trimethylbenzoyl)phoshinoxide	

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 an vPvB assessment
There are no data available on the mixture itself.

12.6. Other adverse effects
There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product:
Dispose of waste according to applicable legislation. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Must not be disposed together with household garbage.

Appropriate disposal / Package
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with 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

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. quantitiy - 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

Remark none

SECTION 15: Regulatory Information

15.1. Safety, health an 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:
-

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer:
none

Regulation (EC) No. 648/2004 (Detergents regulation)
none

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

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

Use restriction according to REACH annex XVII, no.:
-

National regulatory information
Observe in addition any national regulations!

Restrictions of occupation
none

Other regulations, restrictions and prohibition regulations
none

15.2. Chemical Safety Assessment
Chemical safety assessments for substances in this mixture were not 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.

Training advice
none

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.

Key literature references and sources for data
Data arise from reference works and literature.