

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



Tradename:

IMPRIMO® LC IBT

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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 IBT**

UFI: 0AG0-M5TT-KT3P-780G

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

Relevant identified uses: Manufacture.

Uses advised against: Private households (=general public).

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

Labelling

Hazardous component(s) for labelling

Methacrylic acid tetrahydrofurfuryl ester; Diphenyl-(2,4,6-trimethylbenzoyl)phosinoxide

Special labelling of particular preparations:

None

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 with water 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.

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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.
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 according to official regulation.

2.3. Other hazards

Medical examination necessary even merely on suspicion of intoxication.

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

not applicable

3.2. Mixtures

Mixture related information

Hazardous components

Substance:	EC-No	CAS-No	INDEX-No	REACH-No	Concentration	Classification: EC 1272/2008 (CLP)
7,7,9(or 7,9,9)-trimethyl-4, 13-dioxo-3,14-dioxa-5, 12-diazahexadecane-1, 16-diyl bismethacrylate	276-957-5	72869-86-4		01-2120751202-68-0000	<50%	Skin Sens. 1/1A/1B, H317
Esterification products of 4,4'-isopropylidene-diphenol, ethoylated and 2-methylprop-2-enoic acid	609-946-4	41637-38-1		01-2119980659-17-0000	<50%	Skin Irrit. 2, H315; Skin Sens. 1/1A/1B, H317; Eye Irrit. 2, H319; STOT SE 3, H335
Methacrylsäuretetrahydrofurfurylester	219-529-5	2455-24-5	607-134-00-4	01-2120748481-53-0000	<30%	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335
Diphenyl-(2,4,6-trimethylbenzoyl)phosphinoxid	278-355-8	75980-60-8		01-2119972295-29-0000	<2%	Rep. 2, H361

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. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Call a physician immediately.

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- After contact with skin:** After contact with skin, wash immediately with plenty of water and soap. Immerse in cold water for a prolonged period. Call a physician immediately.
- 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. Subsequently consult an ophthalmologist.
- After ingestion:** Rinse mouth immediately and drink plenty of water. No administration in cases of unconsciousness or cramps. Do NOT induce vomiting. Call a physician immediately.

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

No special measures are necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Water fog. High power water jet. Water..

5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air. In case of fire may be liberated: Pyrolysis products, toxic.

5.3. Advice for firefighters

General information

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

Special protective equipment for firefighters:

In case of fire: Use acid-proof equipment only. Wear a self-contained breathing apparatus and chemical protective clothing.

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 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

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

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.

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Precautions against fire and explosion

Take precautionary measures against static discharges.

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

Keep container tightly closed. Restrict access to stockrooms.

Hints on joint storage

Do not store together with: metal

Keep away from food, drink and animal feedingstuffs.

Storage class: 12 - Non-flammable liquids**7.3. Specific end use(s)**

Observe instructions for use.

SECTION 8: Exposure controls / personal protection**8.1. Control parameters****Occupational exposure limit value**

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

Substance with a common (EC) occupational exposure limit value

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

DNEL-/PNEC-values**DNEL value**

Substance:	CAS-No	DNEL/DMEL
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	41637-38-1	Worker inhalative (systemic); 3,52 mg/m ³ Worker dermal (systemic); 2 mg/m ³ /24h Consumer inhalative (systemic); 870 µg/m ³ Consumer dermal (systemic); 1 mg/m ³ /24h Consumer (systemic); 500 µg/m ³ /24h
7,7,9(or 7,9,9)-trimethyl-4, 13-dioxo-3, 14-dioxa-5, 12-diazahexadecane-1, 16-diyl bismethacrylate	72869-86-4	Worker inhalative (systemic); 3,3 mg/m ³ Worker dermal (systemic); 1,3 mg/kg bw/24h Consumer inhalative (systemic); 0,6 mg/m ³ Consumer dermal (systemic); 0,7 mg/kg bw/24h Consumer (systemic); 0,3 mg/kg bw/24h

PNEC value

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

Additional information

none

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

Provide adequate ventilation as well as local exhaust 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 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: Formation of aerosol. Suitable respiratory protection apparatus: Contamination filter device (DIN EN 141)

Hand protection

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

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.

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:	Various
Odour:	Characteristic like: ester
Odour threshold:	No data available

Safety relevant basis data

Density:	Ca. 1,1 g/cm ³ at °C 20
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
Solubility:	No data available
Partition coefficient: n-octanol/water	No data available

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Viscosity:	Ca. 2 Pas
Solvent separation test:	No data available
Solvent content:	No data available

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Vapours may form explosive mixtures with air.

10.2. Chemical stability

Decomposition with: UV-radiation/sunlight. Heat

10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Heat. UV-radiation/sunlight.

10.5. Incompatible materials

Alkalis (alkalis). Metal.

10.6. Hazardous decomposition products

In case of fire may be liberated: Phosphorus oxides.

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

Substance:	CAS.-No	Toxicological information
7,7,9(or 7,9,9)-trimethyl-4, 13-dioxo-3, 14-dioxa-5, 12-diazahexadecane-1, 16-diyl bismethacrylate	72869-86-4	LD50 oral (rat) > 5000 mg/kg
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	41637-38-1	LD50 oral (rat) 2000 mg/kg LD50 dermal 2000 mg/kg

Skin corrosion/irritation:

Irritant.

Serious eye damage/irritation:

Strongly irritant.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

CMR effects (carcinogenic / mutagenic / toxic / effects 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.

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STOT-single exposure

The following symptoms may occur: Corneal opacity. Coughing.

STOT-repeated exposure

None

Aspiration hazard:

Irritant.

SECTION 12: Ecological Information

12.1. Toxicity

None.

Exotoxicity

Substance:	CAS.-No	Ecotoxicity
7,7,9(or 7,9,9)-trimethyl-4, 13-dioxo-3, 14-dioxa-5, 12-diazahexadecane-1, 16-diyl bismethacrylate	72869-86-4	LD50 (daphnia) > 1,2 mg/l EC50 (algae 72 h) > 0,68 mg/l
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	41637-38-1	LC50 (fish, 96 h) 100 mg/l LC 50 (crustaceans, 48 h) 6 mg/l EC50 (algae 72 h) 100 mg/l

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

12.5. Results of PBT an vPvB assessment

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

12.6. Endocrine disrupting properties

No further relevant information available.

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

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 in accordance with EWC

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

Waste code product: -

Waste code packaging: -

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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

none

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

not applicable

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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 (EU) No 649/2012 on the export and import of dangerous chemicals:
Not relevant

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

National regulations

Observe in addition any national regulations!

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

Storage class: 12 - Non-flammable liquids

Water hazard class (WGK)

3 severe water pollutant (WGK 3)

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

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

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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

Make sure that employees are aware of the intoxication risk. People wearing breathing apparatus must be appropriately trained.

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.