

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

for the liquid



Tradename:

IMPRIMO® LC Splint flex

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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 Splint flex**

UFI: 8X41-35G3-3T3F-05UY

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

Use of the substance/mixture

Creation of dental products.

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

Regulation (EC) No. 1272/2008

Hazard categories:

Skin Irrit 2, H315
Eye Irrit. 2, H319
Skin Sens. 1/1A/1B, H317
STOT SE 3, H335
Aquatic Chronic 3, H412

Hazard statements:

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazardous components for labelling

Signal word: Warning

Hazard Pictograms: GHS07



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Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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 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/hearing protection
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	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 information on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container according to official regulations.

2.3. Other hazards

No information available.

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

not applicable

3.2. Mixtures**Chemical characterization****Hazardous components**

CAS-Nr.	Chemical name	Quantity
	EC-Nr. Index-No. Reach-No.	
	GHS-Classification	
	Methacrylate Monomer 1	< 60 %
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
	Methacrylate Monomer 2	< 40 %
	Skin Irrit. 2, H315; Skin Sens. 1/1A/1B, H317; Eye Irrit. 2, H319	
	Photo Initiator	< 2 %
	Repr. 2, H361	
	Methacrylate Monomer 3	< 2 %

For the wording of the listed H-phrases refer to section 16.

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Specific Conc. Limits, m-factors and ATE

CAS No	EC No	Chemical name	Quantity

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. Call a physician immediately.
- After contact with skin: Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. 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. Do NOT induce vomiting. No administration in cases of unconsciousness or cramps. Call a physician immediately.

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

Erythema (redness) Causes skin irritation.

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

Provide fresh air. In case of breathing difficulties administer oxygen.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder.

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 (CO₂). Carbon monoxide.

5.3. Advice for firefighters

General information

Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers.

Special protective equipment for fire fighters:

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

Additional information

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Remove persons to safety. Remove all sources of ignition. Provide adequate ventilation. Wear personal protection equipment.

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

Other information

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

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.

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. Protect against: UV-radiation/sunlight.

Hints on joint storage

Do not store together with: Oxidising agent.

7.3. Specific end use(s)


Observe instructions for use.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS-No.	Substance	ppm	mg/m ³	fibres/ml	Category	Origin

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DNEL/DMEL values

CAS-No.	Substance	Exposure route	Effect	Value
80-62-6	Methyl methacrylate			
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

PNEC Value

CAS-No	Substance	PNEC

8.2. Exposure controls

Appropriate engineering 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.

Protective 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.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: DIN-/EN-Norms: EN ISO 374 Suitable material: Butyl rubber.

Body protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only war 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.

Respiratory protection

With correct and proper use, and under normal condition, breathing protection is not required. Respiratory protection necessary at: insufficient ventilation. Suitable respiratory protection apparatus: Protective respiration apparatus not using surrounding air (breathing apparatus) (DIN EN 133).

Exposure Scenario

None

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Physical state:	Liquid
Colour:	Colourless light yellow
Odour:	Fruity

pH-value:	No data available
Melting point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Flammability	
Solid:	No data available
Gas:	No data available
Flammable limits (lower)	No data available
Flammable limits (upper)	No data available
Ignition temperature:	No data available
Auto-ignition temperature	
Solid:	No data available
Gas:	No data available
Decomposition temperature:	No data available
Oxidising properties:	No data available
Vapour pressure:	No data available
Relative Density:	1,1 g/ml
Water solubility:	No data available
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity / dynamic: :	< 1,5 Pa*s
Vapour density:	No data available
Evaporation rate:	No data available

9.2. Other information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

With proper storage 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

No data available

10.6. Hazardous decomposition products

Carbon monoxide; carbon dioxide

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

CAS-No.	Chemical name	Exposure routes	Method	Dose	Species	Source
	methyl methacrylate monomer 2					
	oral		LD50	2000 mg/kg	rat	
	dermal		LD50	2000 mg/kg		

Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.

Serious eye damage/irritation

Strongly irritant. Risk of serious damage to eyes.

Sensitising effects

May cause sensitisation especially in sensitive humans.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No information available

STOT-single exposure

No information available

STOT-repeated exposure

No information available

Aspiration hazard

The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

Additional toxicological information:**SECTION 12: Ecological Information****12.1. Toxicity**

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

CAS No.	Chemical name	Ecotoxicity
	Methyl methacrylate Monomer 2	LC50 (fish, 96 h) 10 mg/l LC50 (crustaceans, 48 h) 6 mg/l Ec50 algae 100 mg/l

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 and vPvB assessment

There are no data available on the mixture itself.

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12.6. Endocrine disrupting properties

There are no data available on the mixture itself.

12.7. Other adverse effects

There are no data available on the mixture itself.

Further information

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

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 according to EWC / AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the 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)	

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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

Marine pollutant

No.

14.6. Special precautions for user

Warning: Flammable liquids.

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 regulatory information

Information on Regulation (EC) No 166/2006 establishing a European Pollutant Release and Transfer Register:

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Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer:

-

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

-

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

-

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

-

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National regulations

Observe in addition any national regulations!

Restrictions of occupation

None

Other regulations, restrictions and prohibition regulations

-

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out.

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SECTION 16: Other Information

Key literature references and sources for data

Data arise from reference works and literature.

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 (division of the American Chemical Society)
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.
H412	Harmful to aquatic life with long lasting effects.

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.