

Material Safety Data Sheet according to (EC) 1907/2006	
Tradename: BIOCRYL Polymer	Status: 28.05.2015 Page: 1 von 8

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Name of product: **BIOCRYL Polymer**

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

Use of the substance/mixture

Polymer based on Methyl methacrylate for manufacturing of dental prosthesis, expanding or repairing dental prosthesis, manufacturing of dental regulators and individually formed impression trays.

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

Information concerning particular hazards for human and environment:

The product hasn't to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No classified as dangerous for supply/use.

2.2. Label elements

2.3. Other hazards

Contains methyl methacrylate, dibenzoylperoxide.

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Mixture based on methyl methacrylate

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH-No		
	acrylic polymer	
		100 %

Additional information

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

- After inhalation:** Remove patient from exposure. Obtain medical attention if ill effects occur.
- After contact with skin:** Wash skin with water. If symptoms (irritation or blistering) occur obtain medical attention.
- After contact with eyes:** Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.
- After ingestion:** Do NOT induce vomiting. Wash out mouth with water. Obtain medical attention if ill effects occur.

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

No further relevant 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

Foam, Carbon dioxide (CO₂).

Unsuitable extinguishing media

Water with full jet.

5.2. Special hazards arising from the substance or mixture

Combustible but not readily ignited. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapours. This product can form flammable dust clouds at elevated temperatures.

5.3. Advice for firefighters

Special protective equipment for fire fighters:

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Additional information

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid generation of dusts. Do not breathe dust.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

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SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with eyes. Avoid prolonged skin contact. Work in a well ventilated area. Avoid dust formation.

Advice on protection against fire and explosion

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements for storage rooms and vessels

Store in a clean, cool and dry area away from heat sources. Natural ventilation is adequate.
Storage temperature: Preferably not exceeding 25 °C.

Information about storage in one common storage facility:

No further relevant information available.

Storage class:

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls / personal protection

Additional information about design of technical facilities.

No further data ; see item 7.

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures:

Provide adequate ventilation, including appropriate local extraction.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. A suitable mask or dust respirator with filter type P-S pr FFP-S (EN 143 and EN 149) may be appropriate.

Hand protection

Not normally required, however use of gloves is recommended to comply with good occupational hygiene practice. Wear suitable gloves, Polyvinyl alcohol or letex gloves. WARNING: PVA is soluble in water.

Eye/face protection

Safety glasses.

Limitation and supervision of exposure into the environment

No special precautions are necessary if used correctly.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Physical state	powder
Colour	transparent
Odour	taint ester like

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pH-Value: not applicable

Changes in the physical state

Melting point	> 240 °C decomposition
Initial boiling point and boiling range	not applicable
Flash point	not applicable
Flammability	
Solid	not applicable
Gas	not applicable
Explosive properties:	Weakly to moderate explosible
Auto-ignition temperature	
Solid	not applicable
Gas	not applicable
Decomposition temperature	not applicable
Vapour pressure	not applicable
Density	1.10 – 1.18 g/cm³ at 20 °C
Water solubility	negligible
Solubility in other solvents	not available
Partition coefficient	not determined
Vapour density	not determined
Evaporation rate	not determined

9.2. Other information

Solid content 100 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Exothermic decomposition with formation of: Methyl methacrylate

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

The product has not been tested toxicologically.

Acute toxicity

Based on available data, the classification criteria are not met.

Primary irritant effect:

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

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CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Not applicable.

Further information

Product has not been tested. The statement is derived from the properties of the components.

SECTION 12: Ecological Information

12.1. Toxicity

The product has not been tested.

Aquatic toxicity:

The product has low toxicity to aquatic organisms.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No further relevant information available.

Further information:

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal of contaminated packaging

Wash with plenty of water. Completely emptied packings can be disposed in accordance with local regulations.

SECTION 14: Transport Information

Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	

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Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	

Air transport (ICAO)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

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

National regulations:

Water contaminating class (D): 1-slightly water contaminating

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been 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 (division of the American Chemical Society)
LC50	Lethal concentration, 50 %
LD50	Lethal dose, 50 %

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.