

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



Tradename:

STEADY-RESIN Polymer "S"

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

1.1. Product identifier

Name of product: STEADY-RESIN Polymer "S"

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

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 Organic peroxides. May produce an allergic reaction.

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Mixture on base of acrylic powder and catalyst.

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Index No		
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:** Provide fresh air.
- After contact with skin:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse.
- After contact with eyes:** Rinse immediately carefully and thoroughly with eye-bath or water.
- After ingestion:** Rinse mouth immediately and drink plenty of water.

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

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

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

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

Take up mechanically. 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

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls / personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures:**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye/face protection

Wear eye/face protection.

Skin protection

Wear suitable protective clothing.

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	see packaging
Odour	characteristic
pH-Value:	not determined

Changes in the physical state

Melting point	ca. 110 °C
Initial boiling point and boiling range	not determined
Flash point	> 250 °C
Flammability	
Solid	not determined
Gas	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature	> 400 °C

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Auto-ignition temperature	
Solid	not determined
Gas	not applicable
Decomposition temperature	not determined
Oxidizing properties	not oxidizing
Vapour pressure	not determined
Density	1.16 g/cm ³ at 20 °C
Bulk density	700 – 750 kg/m ³
Water solubility	insoluble
Solubility in other solvents	soluble in hydrocarbons
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

None.

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****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.

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Not applicable.

Further information

The mixture is classified as not hazardous.

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SECTION 12: Ecological Information

12.1. Toxicity

The product is not: Ecotoxic.

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:

Avoid release to 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 recycled.

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:	

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):	

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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 regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

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

15.2. Chemical Safety Assessment

Chemical safety assessment 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 (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.