

E.C. Safety Data Sheet according with regulation (EC) 1907/2006

for the powder



Trade name:

STEADY-RESIN VARIOIssue:
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1 of 4**1. Identification of the substance / preparation and the company****Information on the product****Trade name:** STEADY-RESIN VARIO**Use / Purpose:** Orthodontic resin, self-curing acrylic, powder component of the 2-component acrylic system based on methyl methacrylate (powder and liquid), for the purpose of making individual orthodontic devices.**Information on the manufacturer**

SCHEU-DENTAL GmbH

Am Burgberg 20
58642 Iserlohn

Tel.: +49 (0)2374 / 9288-0

Fax: +49 (0)2374 / 9288-90

Email: service@SCHEU-DENTAL.comInternet: www.SCHEU-DENTAL.com**2. Hazards Identification**

No particular hazards known.

3. Composition / Information on Ingredients**Chemical characterization**

Acrylic polymer on the basis of methyl methacrylate, ethyl methacrylate

4. First Aid Measures

General Information	Remove contaminated clothing
After inhalation:	In case of complaints get medical treatment.
After contact with skin:	Wash off with water and soap. Consult a physician if irritation persists.
After contact with eyes:	Flush eyes thoroughly with a large amount of water consult a physician.
After ingestion:	Rinse out mouth and give plenty of water to drink. Obtain medical advice.

5. Fire-Fighting Measures**Suitable extinguishing media:**

foam, dry chemical, carbon dioxide, water spray

Unsuitable extinguishing media for safety reasons:

full water jet

Special protective equipment for fire:

Wear self-contained breathing apparatus.

6. Accidental Release Measures**Precautionary measures related to people**

Avoid dust information. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Use personal protective clothing. High risk of slipping due to leakage/spillage of product.

Methods of cleaning / adsorption

Take up mechanically. Dispose of in accordance with regulations.

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7. Handling and Storage

Instructions on safe handling

Avoid the formation and deposition of dust.

Information on fire and explosion protection

In the event of fire, cool the endangered containers with water.

Storage**Requirements for storage areas and containers**

Keep only the original container at a temperature not exceeding 30 °C. Protect from sun. Storage: dry.

8. Exposure Controls/Personal Protection

Occupational exposure controls

For monitoring procedures refer to for instance "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

Personal protective equipment**General protective measures:**

Do not inhale dust. Avoid contact with eyes and skin.

Hygiene measures:

Remove contaminated clothing. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

Respiratory protection:

Respiratory protection in case of dust formation, short term: filter appliance, filter P2

Eye protection:

Tightly fitting goggles

Hand protection:

Butyl rubber gloves (0,7 mm),

general information:

Gloves should be changed regularly, especially after over excessive contact with the product. A different type of glove should be considered for each workspace.

9. Physical and chemical properties

AppearanceForm: Powder
Colour: acc. to product labelling
Odour: odourless**Changes in physical state**

Softening temperature	approx. 110 °C
Melting point	not applicable
Flashpoint	~ 390 °C
Ignition temperature	~ 465 °C
Self ignition ability	not applicable
lower explosion limit	not determined
upper explosion limit	not determined
vapour pressure	not applicable
Density	1,1 – 1,18 g/cm ³ (at 20 °C)
bulk density	600 to 750 Kg/m ³ (at 20 °C)
solubility in water	insoluble
solubility in oil	not determined
qualitative solubility	in esters, ketenes and chlorinated hydrocarbons readily soluble
pH-value:	not applicable
dynamic viscosity	not applicable

Additional Information

Dust explosions are generally to be expected with dust-forming organic products.

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Thermal decomposition: > 240 °C
hazardous reactions: No hazardous reactions known.
hazardous decomposition products: None when used as directed. During thermal decomposition combustible, the eyes and respiratory system irritating vapours are formed, consisting mainly of **methyl methacrylate, ethyl methacrylate**

11. Toxicological information

Acute Oral Toxicity There is no toxicological data available for his product.

General information

The product contains small amounts of sensitising substance (see chapter 15). After intensive contact with the skin, especially with the dissolved product, these substances may produce an allergic reaction to persons already sensitised. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Avoid skin and eye contact and inhalation of product dust/aerosols.

12. Ecological information**General Information**

The product has not been tested ecotoxicologically. On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption. Do not allow to enter in soil, waterways or waste water.

13. Disposal considerations**Product (Components, powder and liquid)**

European waste code: **07 02 99**
Waste name: Not yet cured acrylic leftovers, compounds or components.
Recommendations: Must be disposed of in accordance with the regulations of the local authorities and the disposal company in a suitable and licensed facility.

Already cured acrylic leftovers

European waste code: **17 02 03**
Waste name: other cured acrylic waste
Recommendations: Can be disposed of in accordance with the regulations of the local authorities and the disposal company in a suitable and licensed facility.

Contaminated packaging:

Recommendations: Can be burned in accordance to local regulations. Dispose decontaminated packaging at local recycling facilities.

14. Transport information**Transport / additional information**

Not a dangerous good within the meaning of transportation regulations.

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15. Regulations

Labelling in accordance with directive 1999/45/EC:

Not applicable

Special provisions for certain preparations according to directive 1999/45/EC annex V part B

„Contains methyl methacrylate, dibenzoyl peroxide. May produce an allergic reaction.“

16. Other information

Supplemental material

Not applicable because material is only one component of a two-component acrylic system with exactly coordinated catalyst system.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.