

Material Safety Data Sheet

According to decree (EC) No. 1907 / 2006

Revision:5

Revision Date: 22.08.2024

Date of Printing: 28.01.2019



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

Product identifier

ENDOPLUS

PRD.100.01.290

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

Connection between the dentin and composite

Details of the supplier of the safety data sheet

Company Name: President Dental GmbH

Street: Kesselbodenstrasse 5

Zip-Code / Town/ Country: 85391 , Allershausen, Germany

Contact for technical information: +49 (0) 230 39228772

Phone / Fax / E-Mail: +49 (0) 8166 389 9 820 / +49 (0) 8166 389 9 821 / info@presidentdental.com

Emergency Telephone Number

+49 (0) 8166 389 9 820 (8.00 am – 4.30 pm Mon-Fri)

SECTION 2: Composition/information on ingredients

Chemical characterization :

Base	Catalyst
Poly(Bisphenol A-co-epichlorohydrin),glycidyl end capped	Poly(1,4-butanediol)Bis(4-aminobenzoate)
Ethylene glycol monosalicylate	Triethanolamine
Calcium phosphate	Calcium phosphate
Bismuth subcarbonate	Bismuth Subcarbonate
Zirconium oxide	Zirconium oxide
Sum	Calcium hydroxide
	C.I. Pigment Yellow

Description : Endoplus for root canal sealing consisting of Endoplus base and Endoplus catalyst Information on hazardous ingredients

<u>Chemical name</u>	<u>CAS No.</u>	<u>w/w %</u>	<u>EC Number</u>	<u>Symbol</u>	<u>R-Phrases</u>
Epoxy Resin	25036-25-3	<20		Xi	R36/37/38

SECTION 3: Hazar Identification

identification:

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Physical/chemical hazards : None

Human health hazards : Not known to cause significant health problems. Considered a nuisance dust. Avoid inhalation and keep dust out of the eyes.

Environmental hazards : None

SECTION 4: First aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion : Do not induce vomiting. Material is chemically inert.

4.3. Skin contact : In case of contact. Immediately wash skin with water and soap.

4.4. Eye contact : If scratches or punctures occur, seek medical attention immediately.

SECTION 5: Firefighting measures Suitable extinguishing agents:

5.1. Extinguishing media

Suitable : Water, Foam, Carbon Dioxide, Dry Chemical

Not suitable : N/A

Special firefighting procedures : Self-contained breathing apparatus to prevent smoke inhalation.

Unusable fire/explosion hazards : None

Hazardous thermal (de) : Burning may produce: Carbon Monoxide, Carbon Dioxide composition products

Protection of fire fighters : Use breathing apparatus (self-contained breathing apparatus with full face shield).

Wear suitable protective clothing

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Material is paste and if you mixed base and catalyst the hardened.

Environmental precautions

None

Methods and material for containment and cleaning up

Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons. Wear suitable protective clothing. Provide adequate ventilation. Collect mechanically.

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Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and storage

Precautions for safe handling

Handling : Always wear gloves and eye protection. Keep container closed when not in use.

Storage : Keep out of reach of children. Protect from exposure to direct sun light. Keep container closed. Store in cool place.

SECTION 8: Exposure controls/personal protection

Precautions for use : Wash hands before breaks and after work.

Respiratory protection : None required during normal intended use of this product

Skin and body : Wear suitable protective clothing.

Hands : Wear suitable gloves.

Eyes : With sufficient extraction or closed system; safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Paste
Color	: Slightly yellowish
Odor	: Odorless
Boiling point	: Decomposes
Melting point	: N/A
Vapor pressure	: N/A
Specific gravity (H₂O=1)	: 1.6
Solubility in water	: Insoluble
pH	: N/A
Flash point	: N/A
Auto ignition temperature	: N/A
Lower explosion limit	: N/A
Upper explosion limit	: N/A
Viscosity	: N/A

SECTION 10: Stability and reactivity

Stability	: Stable
Condition to avoid	: Do not heat
Materials to avoid	: Not known

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Hazardous reactions : May not occur

Hazardous decomposition products : CO

SECTION 11: Toxicological information

Acute toxicity : N/A

Primary effects to skin : May mildly irritate skin

Primary effects to eyes : May mildly irritate the eye

Primary effects to respiratory system : Not an acute inhalation hazard

Sensitization : N/A

Additional toxicological info : N/A

SECTION 12: Ecological information

General information : N/A

Classification of water endangerment : N/A

SECTION 13: Disposal considerations Substance / Preparation:

Product: Not considered a RCRA hazardous waste as identified in Fed. Reg. 40CFR261. If this product cannot be used as directed by the label, contact the local Environmental Control Agency or Agent.

SECTION 14: Transport information

DOT shipping name : Same as product name

DOT hazard class : Non-regulated

UN number : N/A

Sea transport IMDG/GGV : N/A Sea class

UN number : N/A

EmS number : N/A

MFGA number : N/A

Air transport ICAO Ti and : N/A

IATA-DGR class

UN number : N/A

SECTION 15: Regulatory information

Hazard designation : Irritant

Hazard symbols : Xi

R-phrases : R36/37/38: Irritating to eyes, respiratory system and skin.

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S-phrases : S26-36: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

Other labeling : Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep out of the reach of children.

<u>SARA 313 toxic</u>	<u>Chemical name</u>	<u>CAS-No.</u>	<u>Weight %</u>
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Chemicals	None		
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Canadian regulations require the inclusion of the following statements under "Regulatory Information"; "This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations."

SECTION 16: Other information

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

Full text of the R-phases in section 2

R36/37/38: Irritating to eyes, respiratory system and skin.