

Material Safety Data Sheet
according to Regulation (EC) No. 1272 / 2008

revised on: February 22, 2022, rev 05, SW

1. Product and company name

Name of the product:

Self-etching, light-curing bonding**Use of the product (intended use):**

Establishes bond between dentin and the composite

Manufacturer / Supplier:

dent a pharm Prod.gesell.mbh

Street:

Schusterring 35

Nat. no. / ZIP/postal code / city

D-25355 Barmstedt

Contact point for technical information

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Emergency information (24 hours):

Dr. Wolfgang Willmann

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2. Possible dangers**2.1 Classification of the mixture****according to Regulation (EC) No. 1272/2008:**

Skin Sens. 1 May cause allergic skin reactions

Labeling elements**GHS labeling according to 1272/2008 (GHS/CLP)****Attention****H317**

P261

P272

P280

P302+P352

P333+P313

attention.

P321

P362+P364

P501

May cause allergic skin reactions.

Avoid inhalation of dust/fume/gas/mist/vapor/aerosol.

Do not wear contaminated work clothes outside the workplace

Wear protective gloves/protective clothing/eye protection/face protection.

ON CONTACT WITH THE SKIN: Wash with plenty of water/...

For skin irritation or rash: Get medical advice/

Special handling (see...on this identification label).

Remove contaminated clothing and wash before wearing again.

Dispose of contents/container to ...

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3. Composition/information on the ingredients

Chemical characterization:

Hazardous ingredients:

Substance	CAS No.	Index no.	EC no.	Hazard identification	Content (%)
Triethylene glycol dimethacrylate	109-16-0	607-088-00-5	607-114-00-5	25-35	25-35
4-(2-Methacryloyl-oxyethyl)-trimellitic anhydride	70293-55-9			H302 Acute Tox. 4 H319 Eye Irrit. 2 H335 SOT SE 3 H317 Skin Sens. 1	1 - 4
10-methacryloyl-oxydecyl dihydrogen phosphate	85590-007			H314 Skin Corr. 1B	3 - 6
2-Hydroxyethyl methacrylate	868-77-9	607-124-00-X	212-782-2	H319 Eye Irrit. 2 H315 Skin Irrit. 2 H317 Skin Sens. 1	1 - 5.0
Camphorquinone	10373-78-1		233-814-1	H315 Skin Irrit. 2 H319 Eye Irrit. 2 H335 STOT SE 3	0,1-0,5
4-(2-Methacryloyloxyethyl)trimellitic anhydride	70293-55-9			H302 Acute Tox. 4 H319 Eye Irrit. 2 H335 STOT SE H317 Skin Sens. 1	1 - 4
4-tert-butyl-N,N-dimethylaniline	2909-79-7		220-824-6	H302 Acute Tox. 4 H312 Acute Tox. 4 H315 Skin Irrit. 2 H319 Eye Irrit. 2 H332 Acute Tox. 4 H335 STOT SE3	0.1 - 0.3
ethyl 4-(dimethylamino)benzoate)	10287-53-3		233-634-3	H302 Acute Tox. 4 H360 Repr. 1B	<0.1

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4. First aid measures**General notes:**

Immediately remove any clothing contaminated with product.

After contact with the skin:

Wash skin with soap and water.

After contact with the eyes:

Rinse the eyes with water for a sufficiently long time with the eyelids open. For persistent irritation see a doctor.

After inhalation:

Remove the affected person to fresh air.

After swallowing:

Consult a doctor.

5. Fire-fighting measures

Suitable extinguishing media:

Foam, extinguishing powder, carbonic acid - Adapt fire extinguishing measures to the surroundings.

Special hazards:

Combustible. Vapors heavier than air. In the event of fire, generation of hazardous fire gases or Vapors possible.

Special protective equipment for fire fighting:

The usual measures for fighting chemical fires, i.e. independent

Use of respirator (isolation device).

6. Measures in case of accidental release

Personal precautions:

Ensure sufficient ventilation

Environmental protection measures:

Do not allow to enter drains.

Procedure for cleaning/soaking up:

Soak up material with liquid-binding material, e.g. Chemizorb®. Cure and dispose of in the light (in compliance with local hazardous waste regulations take material to a hazardous waste disposal facility).

7. Handling and storage

Handling

The usual precautionary measures when handling chemicals must be observed.

Wear a work coat while working

Avoid skin contact by using instruments and **minimal-contact**

techniques. For fine manual activities, gloves made of polyethylene, e.g., Ethiparat®- Gloves for approx. 5 - 10 minutes protection (based on experience in the past / the literature)

Wash hands before and after work, as well as before breaks.

Notes on fire and explosion protection:

Keep away from sources of ignition.

Information on storage conditions

Storage temperature: Cool, dry, closed and protected from light

Storage time: 3 years, if the storage conditions are observed.

8. Exposure controls and personal protective equipment

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Occupational exposure limits and / or biological limits

Occupational exposure limit values (OEL) Germany

PNCE and DNCL values as they have to be determined in a possibly to be prepared chemical safety report are not available.

Personal protective equipment:

Observe protective and hygienic measures. Separate storage of protective clothing.

The usual precautions when handling chemicals must be observed.

Respiratory protection:

not required

Eye protection:

Wear protective goggles when processing the material

Hand protection:

Sensitization: The wearing of suitable protective gloves (from past experience / literature) e.g. Ethiparat®.

Gloves for 5-10 minutes, use of no-touch technique, minimal-contact-techniques recommended.

Body Protection:

Wear work clothes that are customary for the job.

Other protective measures: none**Details of the****Industrial hygiene:**

Observe the usual occupational safety and hygiene measures.

Preventive skin protection:

Wash hands and face after finishing work.

9. Physical and chemical properties**Appearance:**

Form: Liquid

Color: clear, slightly yellowish

Odor: weakly characteristic after acrylates/methacrylates

Safety-related data:

Flash point: not determined; but according to ingredients above 100°C

Solubility in water: Partly soluble

Relative density: 1.09 g/ml

pH: 3.0

German Water Hazard Class (WGK) WGK 2

10. Stability and reactivity**Conditions to avoid:**

Protect from heat, sunlight and exposure to light to avoid premature slow polymerization. Avoid

Substances to avoid

Radical former (product polymerizes slowly on contact)

Hazardous decomposition products

None when used as intended

More details

The product can be used after significantly exceeding the storage time and / or the recommended Storage temperature polymerize slowly under low heat generation.

11. Toxicology data

(estimated on the basis of the ingredients)

Acute toxicity**H317** May cause allergic skin reactions**Toxicokinetics**

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According to the new safety data sheet under REACH, information on Toxicokinetics, metabolism and distribution of the substance in the body at this site. be listed. We do not have any data on this.

More details

When handled and used as intended, the product has a long service life after According to our experience and the information available to us, there are no harmful Effects.

General data:

Allergic reactions to methacrylates are possible

12. Environmental information

General notes:

Toxicity to fish: not specified

Aquatic organisms: not specified

Bacterial toxicity: not specified

Further data on ecology:

Do not allow to enter waters, sewers, waste water or soil!

Bioaccumulation potential: No data available

Result of the PTB and vPvB assessment determination:

Endocrine disruption potential

Whether the material triggers or prevents hormonal effects is not known.

13. Notes on disposal

Substance / Preparation

Dispose of properly in accordance with local government regulations.

Do not allow to enter drains.

Waste code according to the Waste Catalogue Ordinance (AVV)

16 03 05 organic waste containing dangerous substances

Packaging

Non-contaminated packaging can be recycled.

14. Transport data

Land transport ADR/RID

Classification

Hazard class: 3 (flammable liquid substances)

UN number: 1993

Classification code: F

Designation of the goods: Flammable liquid substance

Hazard trigger: -

Packaging

Packaging group: II

Sea transport IMDG/GGVSee

Classification

IMDG code: not determined

UN number: 1993

EmS: not determined.

Marine Pollutant: not determined.

Designation of the goods: Flammable liquid

Packaging

Packaging group: II

Air transport ICAO-TI and IATA-DGR

Classification

Class: 3

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UN number: 1993
Designation of the goods: Flammable liquid
Packaging
Packaging group: II

15. Legislation

Classification of the mixture

according to Regulation (EC) No. 1272/2008:

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Safety assessments

Safety assessments for substances in this preparation have not been performed.

National regulations

German Water Hazard Class (WGK): 2 (hazardous to water) according to VwVwS, Annex 4

16. Other information**Applicable EC directives**

Preparations Directive (1999/45/EC), as last amended by Directive 2006/8/EC

Substances Directive (67/548/EEC), as last amended by Directive 2006/121/EC.

REACH Regulation (EC) No. 1907/2006, as last amended by Reach Regulation (EC) No. 1272/2008

Limitation of use recommended by the manufacturer

For dental use only.

Changes from the last version:

Layout revised

Data sheet issuing area

Dr. rer. nat. Wolfgang Willmann (Tel: 0 41 23 - 92 25 0)

Other notes:Sources: ¹ [http: // www.baua.de](http://www.baua.de)² [http: // www.arbeitssicherheit.de](http://www.arbeitssicherheit.de)

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Some of the information given here and conclusions drawn from it come from sources that are not determined from direct test data of the product itself.

/ The contents and formats of this safety data sheet are in accordance with Regulation (EC) No. 1272 2008 of the EU Commission.

Warranty limitations

The information in this safety data sheet has been obtained from sources that we believe to be reliable. Nevertheless, this information is provided without express or implied guarantee regarding your correctness.

The conditions or methods of handling, storage, use or disposal of this product are beyond our control, and may be outside of our knowledge.

For this and other reasons, we expressly assume no responsibility for loss, damage to the product, or other costs incurred in connection with the use, storage or disposal of the product.

This safety data sheet has been prepared specifically and expressly for this product only and shall be used expressly for this purpose only.

If this product is used as a component of another product, this information is not applicable.