

1. Chemical product and company identification

Product name:

Prebond SE Self-Etching Universal Bond

Application of the product:

Light Curing bonding

Manufacturer:

President Dental GmbH

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Contact for technical information

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2. Hazard identification

Potential hazards:



Xi, irritant
 R 36, 37, 38
 R 43



F highly flammable
 R 11 highly flammable

Additional hazard advices for human and environment:

Irritants the eyes, skin and respiratory system.

3. Composition/Information on ingredients

Chemical characterization:

Hazardous ingredients: Substance	CAS-No.	Index-No.	EC-No.	Content (%)
Methacryle acid	79-42-4	607-088-00-5	201-204-4	0 – 1,0
4-(2-Methacryloyl-oxyethyl)-trimellith acid-anhydride	70293-55-9			0 – 1,5
2-Hydroxyethyle-methacrylate	868-77-9	607-124-00-X	212-782-2	0 – 3,0
Ethanol 96 %	64-17-5	603-002-00-5	200-578-6	0 – 45
Isomere of BisphenolA-bis(hydroxypropylmethacrylate	1565-94-2			0 – 20
Triethylenglykoldimethacrylate	109-16-0		607-114-00-5	0 – 10
Aliphatic Urethandimethacrylate				0 – 20
10-Methacryloyl-oxydecyl-dihydrogenphosphate	85590-007			0 -

Revision date:

4. First-aid-measures

General advices:

Take off immediately with product contaminated cloth.

In case of skin contact:

Rinse with water and soap.

In case of eye contact:

Rinse with plenty of water while lids are opened. In case of prolonged irritations contact a physician.

In case of inhalation:

Bring the person to fresh air.

In case of swallow:

Consult physician.

5. Fire-fighting-measures

Suitable extinguish media:

Foam, Powder and Carbonic acid – Coordinate fire-fighting-measures to the environment.

Special hazards:

Flammable. Vapor is heavier than air. In case of fire formation of hazardous fire gases or vapor possible.

Special protective equipment while fire-fighting:

Typical measures for fire-fighting of chemical-fires that means using a respiratory isolation unit.

6. Accidental release measures

Personal precautions:

Take care of adequate aeration

Environmental precautions:

Do not drain into canalization.

Method for cleaning up:

Clean up material with liquid bonding material, for example Chemizorb®. After light curing the product can be disposed (Material must be brought to a hazardous waste disposal under consideration of local authority hazardous waste regulations).

7. Handling and storage

Handling

The usual precautionary measures are to be adhered when handling chemicals. Wear business usual working-clothes during work. Avoid skin contact by the use of instruments and **minimal-contact-techniques**. For precision manually workings gloves of polyethylene, for example Ethiparat®- gloves provides protection for approx. 5-10 minutes (due to experiences in the past/literature).

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

Advices to fire- and explosion protection:

Keep away from sources of ignition.

Information to the storage conditions:

Storage temperature: cool, dry, closed and protected of light

Storage time: 3 years, if storage conditions will be observed.

Revision date:

8. Exposure controls / Personal protection

Limits for the exposition at the workstation and / or biological limits

workstation limits (AGW) Germany

PNCE and DNCL-Values as to be possibly worked out in preparation safety report do not exist.

Personal protective equipment:

Observe Protection- and Hygiene measures. Separate storing of protection clothes.

The usual precautionary measures are to be adhered when handling chemicals.

Breathing protection: not necessary

Eye protection: Wear goggles when working with the material

Hand protection: Sensibilisation: Wearing of suitable protection gloves (by experience in the past/literature) for example Ethiparat®- gloves for 5-10 minutes, Dedication of No-Touch-Technic, minimal-contact-techniques recommended.

Body protection: Wear business-usual working-clothes.

Further protection measures: none

Information to Working hygiene: Adhere business-usual protection- and hygiene measures.

Preventive skin protection. Wash hands and skin after work.

9. Physical and chemical properties

Appearance:

Form: liquid

Colour: clear, light yellowish

Odour: low characteristic

Safety relevant data:

flashpoint: > 19°C

Solubility in water: (20°C) soluble

Relative density: (20°C) 0,9625 g/cm³

pH-value: 3,0

10. Stability and reactivity

Conditions to avoid

Beware of heat, solar irradiation and exposure to light, to avoid polymerization ahead of time.

Substances to avoid

Radical former (Product polymerizes slowly at contact)

Hazardous decomposition products

None if used according to directions.

Further information

After considerable exceedance of the storage time and/ or the recommended storage temperature the product can slowly polymerize under low heat development.

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Material Safety Data Sheet
according to decree (EC) No. No. 1907 / 2006 (GB)



MSDS,GB, Prebond SE, LC, 01.02.2013, dp, rev 00.doc

Revision date:

11. Toxicological information

(Estimated by means of ingredients)

Acute toxicity

At skin: irritant

At eye: irritant

inhalation: irritant

Kinetic of the toxic reaction

According the new Material Safety Data Sheet according to REACH, specifications about Kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available.

Further information

By appropriate exposure and conventionally use and to our experiences and information's the product causes no hazardous effects.

Further details:

Allergic reactions on methacrylate's are possible.

12. Ecological information

General advices:

Fish toxicity: not specified

Water organism: not specified

Bacteria toxicity: not specified

Further detail to ecology:

Do not drain into ground water, body of waters or sewage system!

Bioaccumulation potential: no data available

Effect of the determination of the PTB- and vPvB-report:

Endokrine disruption potential

If the material causes hormonal effects or prevents them is unknown to us.

13. Disposal considerations

Substance / preparation

To dispose of accordingly with notice of the local regulations of authority.

Disposal key according to AVV regulation

08 01 99 (Disposal a.n.g.)

Package

Packages that are not contaminated can be recycled.

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14. Transport information

Land transport ADR/RID

Classification

Hazard class: 3 (flammable liquid substances)

UN-Number: 1993

Classification code: F

Description of the good: flammable liquid substance

Hazard cause: -

Package

Packaging group: II

Maritime transport IMDG/GGVSea

Classification

IMDG-Code: not specified

UN-Number: 1993

EmS: not specified

Marine Pollutant: not specified

Description of the goods: flammable liquid substance

Package

Packaging group: II

Air transport ICAO-TI and IATA-DGR

Classification

Class: 3

UN-Number: 1993

Description of the good: flammable liquid substance

Packaging

Packaging group: II

15. Regulatory information

Labeling according EC-guideline

Code letter and hazard description of the product:



Xi irritant

R 36 irritant to eyes

R 37 irritant to respiratory system

R 38 irritant to skin

R 43 Sensibilization possible by skin contact



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Hazardous components requiring declaration: contains Ethanol

Safety assessments

Safety Assessments for substances in this preparation were not executed

National rules

Water hazard class: 2 (water hazard) according VwVwS, Annex 4

16. Other information

Further applicable EC Guidelines

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC.

Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC.

REACH-Guideline (EC) No. 1907/2006

Manufacturer's suggested application restriction:

For dental use only

Changes compared to the last version

Layout revised

Department issuing MSDS:

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Additional information:

Origin: 1 <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006.

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