

SECTION 1. Product identification/preparation/company undertaking**1.1. Product identifier:**

Product no.: 82060
Product name: BISICO E-Bond DC
Trade number: 75250, 04540

1.2. Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.

Application of the substance / the mixture: Self etch dental bonding liquid

1.3. Details of the supplier of the safety data sheet: BISICO Bielefelder Dentalsilicone GmbH & Co. KG
Johanneswerkstraße 3
D-33611 Bielefeld
Tel.: +49 521 8016800
Fax: +49 521 8016801
Email: info@Bisico.de
responsible for the Safety Data Sheet: Sebastian Zimmermann

1.4. Emergency telephone number: BISICO Bielefelder Dentalsilicone GmbH & Co. KG
Tel.: +49 521 8016800 (08:00-16:00 PM)
Fax: +49 521 8016801
S. Zimmermann

SECTION 2. Hazards identification**2.1 Classification of the substance or mixture:**

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments: Flam. Liq. 2, H225 Highly flammable liquid and vapour
Skin Irrit. 2, H315 Causes skin irritation
Eye Irrit. 2, H319 Causes serious eye irritation
STOT SE 3, H335 May cause respiratory irritation.
Skin Sens1, H317 May cause allergic skin reaction

2.1.2. 67/548/EEC and 1999/45/EC Directives and following amendments and adjustments: The product has to be labeled due to calculation procedure for the "General Classification guideline for preparations of the EU" in the latest version.

2.2 Label elements: Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements:

Hazard pictograms:

Signal words: Danger

Hazard statements

H225 Highly flammable liquid and vapour

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H317 May cause allergic skin reaction

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Labeling according to EU guidelines:

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body; are exempted from the provisions of Regulation (EC) No. 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

2.3. Other hazards:

Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

SECTION 3. Composition/Information of Ingredients

3.1. Substances:

3.2. Mixtures:

Modified acrylic acid, poly acrylic acid, methacrylates, catalysts, stabilizers in ethanol

Hazardous components:

607-134-00-4 (Index No.)	Methacrylates	GHS07, H315, H319, H335 H317
	Phosphoric esters	GHS05, H314
64-17-5 (CAS-No.)	Ethanol	GHS02, H225

SECTION 4. First-aid measures**4.1. Description of first aid measures:**

General information: Seek medical advice, if symptoms occur, which can be caused by the product

after skin contact: wash with plenty of water and soap

after inhalation: fresh air

after eye contact: Rinse opened eye for several minutes under running water and consult a doctor

after swallowing: Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed:

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed:

Information not available

SECTION 5. Fire fighting measures**5.1. Extinguishing media:**

CO₂, powder, water spray.

Use extinguishing method and media suitable to surrounding fire.

5.2. Special hazards arising from the substance or mixture:

No further relevant information available

5.3. Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective equipment

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures:**

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms

6.2. Environmental precautions:

Do not allow to enter drains/surface water/ ground-water.

6.3. Methods and material for containment and cleaning up:

Absorb with liquid binding material. Clean up affected area.

6.4. Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment

See Section 13 for disposal information

SECTION 7. Handling and storage**7.1. Precautions for safe handling:**

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.
Observe normal care for working with chemicals.

7.2. Conditions for safe storage, including any incompatibilities:

Store at a dry place. Store tightly closed. Storage temperature <25°C.

Information about fire and explosion protection: Keep away from heat and fire. Take measure to prevent electrostatic charge

Requirements at storerooms and containers: Store only in the original containers

Further information on storage conditions:

Store away from food stuffs.

7.3. Specific end use(s):

No further relevant information available

SECTION 8. Exposure controls/personal protection**8.1. Control parameters:**

Components with limits of values to be supervised at the workplace:

<u>CAS-No.</u>	<u>name</u>	<u>art</u>	<u>value</u>	<u>unit</u>
64-17-5	Ethanol	TRGS 900	500	ml/m ³ (ppm)
			or 960	mg/m ³

Additional information: The lists valid during the making were used as basis

8.2. Exposure controls:**Personal protective equipment:****General protective and hygienic measures:**

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

Keep away from foodstuffs and beverages. Avoid contact with eyes or skin

Hand protection: Protective gloves.

Due to missing tests no recommendation to the glove material can be given for the product.

Eye protection: Safety glasses

Respiratory protection: Required, when aerosols are generated

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties:**

Appearance: liquid
 Colour: colourless
 Odour: characteristic
 pH.: Part A: ca. 1.5, Part B: ca. 5.5
 Melting point / freezing point: Not available.
 Initial boiling point: Not available.
 Boiling range: Not available.
 Flash point: n.a.
 Ignition temperature: no information available
 Danger of Explosion:
 Density: Part A: 1.20 g/cm³, Part B: 0.87 g/cm³
 Vapour pressure: n.d.
 Solubility:
 Solubility in Water: soluble
 Content of solvents:
 Organic solvents: ethanol

9.2. Other information:

no information available

SECTION 10. Stability and reactivity**10.1. Reactivity:**

no information available

10.2. Chemical stability:

no information available

10.3. Possibility of hazardous reactions:

no information available

10.4. Conditions to avoid:

Heat, direct sunlight and radical starters. The product is stable by proper use. Avoid contact with alkali metals, hydrides, strong oxidizing agents, radical initiators.

10.5. Incompatible materials:

Avoid contact with alkali metals, hydrides, strong oxidizing agents, radical initiators.

10.6. Hazardous decomposition products:

Information not available.

SECTION 11. Toxicological information**11.1. Information on toxicological effects:**

Acute toxicity: LD₅₀ (oral, rat) 6200 mg/kg

Primary irritation:

skin: irritant

eye: irritant

Sensitization: sensitization by skin contact possible

Additional toxicological information:

Allergic reactions to methacrylates after long-term exposure are possible. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12. Ecological information**General information:** Avoid transfer into environment

12.1. Toxicity:	Information not available.
12.2. Persistence and degradability:	Information not available.
12.3. Bioaccumulative potential:	Information not available.
12.4. Mobility in soil:	Information not available.
12.5. Results of PBT and vPvB assessment:	PBT: not applicable vPvB: not applicable
12.6. Other adverse effects:	Classification of water endangerment: WGK=1 (slightly polluting substance).

SECTION 13. Disposal consideration

13.1. Waste treatment methods:	Product: Recommendation: Use proper landfill disposal or incineration in accordance with local, state and federal regulations. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations
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SECTION 14. Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA:	UN1170
14.2 UN proper shipping name ADR, ADN, IMDG, IATA:	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class:	
Land transport ADR/RID and GGVS/GGVE (Germany):	UN 1170 ETHANOL, 3, II
Sea transport IMDG:	UN 1170 ETHANOL, 3, II EmS F-E S-D
Air transport ICAO-TI and IATA-DGR:	UN 1170 ETHANOL, 3, II

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

14.4 Packing group ADR, IMDG, IATA: Void

14.5 Environmental hazards Marine pollutant: No

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": -

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

The product is a medical device according to EC-directive 93/42 EEC.

15.2. Chemical safety assessment:

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information:

Changes compared with the previous version:

Adaptation according to 1907/2006/EG, Article 31

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Preparation by:

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