

**Safety Information Sheet for Medical Devices
following 1907/2006/EG, Article 31**

Date of issue: 12.06.2024
Printing date: 13.06.2024

Version: 1

This product is a medical device as defined in Directive 93/42/EEC on medical devices (MDD) respectively Regulation (EU) 2017/745 (MDR), which is invasive or used in direct physical contact with the human body. For this product a safety data sheet is not legally required. The provision of this document is on a voluntary basis.

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

1.1 Product identifier

Trade name:
Best Etch

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

Identified uses:
Dental product.

Restrictions on use:

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.

1.3 Details of the supplier of the safety information sheet

Manufacturer/supplier:

Bisico GmbH
Johanneswerkstraße 3
33611 Bielefeld, Germany
info@bisico.de

Distributor:

Bisico Bielefelder Dentalsilicone GmbH & Co.KG
Johanneswerkstraße 3
33611 Bielefeld, Germany
info@bisico.de

1.4 Emergency telephone number

+49 521 80168-00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Medical devices as defined in Directive 93/42/EEC on medical devices (MDD) respectively Regulation (EU) 2017/245, which are invasive or used in direct physical contact with the human body are exempt from labeling requirements of Regulation (EC) No. 1272/2008 (CLP/GHS). Although not required, classification and labeling are indicated as follows:

Classification:

Skin Corrosion 1B; H314 Causes severe skin burns and eye damage.

2.2 Label elements

CLP Regulation (EC) No. 1272/2008

Signal word:

Danger.

Hazard pictograms:



GHS05

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Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

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

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

2.3 Other hazards

Results of PBT and vPvB assessment:

PBT: not applicable.

vPvB: not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical characterization (description):

37% phosphoric acid based on thixotropic gel.

Hazardous components:

CAS 7664-38-2 Phosphoric acid (37 %) GHS05, H314

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 with plenty of water and consult a doctor.

after swallowing:

Consult a doctor.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media:

Non-flammable. In case of fire use extinguishing method and media suitable to surrounding fire. Fire may cause evolution of oxides of phosphorus. Suppress vapors with water spray.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

Protective equipment:

Wear self-contained respiratory protective equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

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 and neutralizing material. Forward for disposal. Clean up affected area. Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7: Handling and storage

See Section 8: Exposure controls/personal protection

See Section 13: Disposal considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling:

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.

Information for safe handling:

Observe normal care for working with chemicals.

Information about fire and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Store at a cool and dry place. Store tightly closed. Storage temperature 15-25°C.

Requirements at storerooms and containers:

Store only in the original containers.

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Information about storage in one common storage facility:

Store away from food stuffs.

Further information on storage conditions:

None.

Storage class:

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7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information on the design of technical systems:

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

CAS-No.	name	art	value	unit
7664-38-2	Phosphoric acid	TRGS 900 AGW	2	mg/m ³
type of exposure: inhalable fraction				

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Normal 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.

Respiratory protection:

Required, when aerosols are generated.

Hand protection:

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

Eye protection:

Safety glasses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Form:	thixotropic gel
Color:	blue
Odor:	odorless

Change in condition:

Melting point/melting range:	-1 °C
Boiling point/boiling range:	> 100 °C

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Flash point:	no information available
Ignition temperature:	no information available
Danger of explosion:	none
Density:	1.33 (20°C) g/cm ³
Vapor pressure:	no information available
pH:	~ 1
Solubility in/miscibility with:	
Water:	95% soluble
Content of solvents:	none
Organic solvents:	none

SECTION 10: Stability and reactivity

10.1 Reactivity

Expected to be non-reactive under normal conditions of use.

10.2 Chemical stability

The product is stable by proper use and storage.

10.4 Conditions to avoid

Bases, metallic oxides most metals and metal alloys: Formation of hydrogen. Incompatible with iron/iron-containing compounds, steel, aluminium and their compounds.

10.6 Hazardous decomposition products

Fire may cause evolution of oxides of phosphorus.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD50 (oral) Rat: 1530 mg/kg.

Primary irritation:

Skin: caustic effect on skin and mucous membranes.

Eye: strong caustic effect.

Inhalation: irritation symptoms in the respiratory tract.

Ingestion: strong caustic effect on mouth and throat.

Sensitization: not observed.

Additional toxicological information:

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:

Anorganic substance. Does not cause biological oxygen deficit. Harmful effect on aquatic organisms. Harmful effect due to pH shift.

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Classification of water endangerment:
WGK=1 (slightly polluting substance).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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.

SECTION 14: Transport information

Land transport ADR/RID and GGVSE (Germany):

UN 1805 PHOSPHORSÄURE, LÖSUNG, 8, III.

Sea transport IMDG Code:

UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III

EmS: F-A S-B.

Air transport ICAO-TI and IATA-DGR:

UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III.

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.

SECTION 15: Regulatory information

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

National regulations:

Water endangerment WGK=1 (slightly polluting substance).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

For invasive medical devices or medical devices in direct contact with the human body, the Medical Device Regulation does not require a safety data sheet. The safe use of the product is indicated in the instructions for use and/or the labeling.

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. Users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.