

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

Product no.: 83090
Trade name: BISICO Bulk-Fill
Trade number: 75052, 75053

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:

Dental-filling-material

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 Classification according to Regulation (EC) No 1272/2008:**

The product is not classified according to the CLP regulation.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard-determining components of labelling:

Void

Hazard statements:

Void

Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

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:

Urethandimethacrylate
1,4-Butandioldimethacrylate

Dangerous components:

Void

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4. First-aid measures

4.1 Description of first aid measures:

general information: No special measures required.

after inhalation: Supply fresh air; consult doctor in case of complaints.

after skin contact: skin irritation continues, consult a doctor.

after eye contact: Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.

after swallowing: Rinse out mouth and then drink plenty of water.
Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed:
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

SECTION 5. Fire fighting measures

5.1 Extinguishing media:
Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters:

Protective equipment: Adapt to environment.

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

Avoid eye and skin contact with the substance.

6.2 Environmental precautions:

No special measures required.

6.3 Methods for cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections:

No dangerous substances are released.

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:**

Keep away from heat and direct sunlight.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:**Requirements to be met by storerooms and receptacles:**

Close container immediately after use and protect product from light incidence.

Storage between 10 °C and 25 °C.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

None

7.3 Specific end use(s):

No further relevant information available.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters:****Additional information about design of technical facilities:**

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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.

Respiratory protection:

Not necessary if room is well-ventilated.

Protection of hands: Protective gloves.

Material of gloves Butyl rubber, BR

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection:

Goggles recommended during refilling.

Body protection:

Protective work clothing.

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

Form:	Pasty
Color:	Colourless
Odour:	characteristic
	<u>Value Unit Method</u>

pH-value: Not determined

Change in condition

Melting point/Melting range: < - 20 °C

Boiling point/Boiling range: undetermined

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 400 °C

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits: not determined

Vapour pressure at 20 °C: not determined

Density at 20 °C:	not determined
Relative density:	Not determined.
Vapour density:	1,3 mbar (110°C)
Density:	Not determined
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with Water at 20 °C:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
dynamic:	Not determined
kinematic:	Not determined
Solvent content:	
Organic solvents:	0,0 %
9.2 Other information No further relevant information available.	

SECTION 10. Stability and reactivity

10.1. Reactivity:

No further relevant information available.

10.2. Chemical stability:

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

Exothermic polymerization

10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

In presence of radical formers (e. g. peroxides), deoxidizing substances, and/or heavy metal ions, polymerization with heat release is possible.

10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11. Toxicological information**11.1. Information on toxicological effects:****Acute toxicity:****LD/LC50 values relevant for classification:**

tetramethylene dimethacrylate oral 10120 mg/kg rat

Primary irritant effect:**Skin corrosion/irritation:** Slightly irritating.**Serious eye damage/irritation:** Slightly irritating.**Respiratory or skin sensitisation:** Sensitising effect by skin contact is possible by prolonged exposure.**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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**12.1 Toxicity:****Acquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability:** No further relevant information available.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**Additional ecological information:**

General notes: Not known to be hazardous to water.

12.5 Results of PBT and vPvB assessment: **PBT:** Not applicable.
vPvB: Not applicable.**12.6 Other adverse effects:** No further relevant information available.**SECTION 13. Disposal consideration****13.1. Waste treatment methods:****Product:****Recommendation:**

Must be specially treated adhering to official regulations.

Smaller quantities can be disposed of with household waste.

European waste catalogue:

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Uncleaned packaging:**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agents: Ethyl acetate

SECTION 14. Transport information**SECTION 14. Transport information**

14.1 UN-Number ADR, ADN, IMDG, IATA: Void

14.2 UN proper shipping name ADR, ADN, IMDG, IATA: Void

14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class: Void

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:

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients is listed.

National regulations:

Technical instructions (air):

Class: III

Share in %: 2,5-10

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16. Other information:

Changes compared with the previous version: Adaptation according to 1907/2006/EG, Article 31

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. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Preparation by:

S. Zimmermann

Tel.: +49 521 8016800