

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Product name:** BISICO Algi-Press**Trade number:** 05240**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-impression-silicone

1.3. Details of the supplier of the safety data sheet:

BISICO Bielefelder Dentsilicone GmbH & Co. KG

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1.4. Emergency telephone number:

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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:**

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended:**Health Hazards:**

Specific Target Organ Toxicity - Repeated Exposure	Category 2	May cause damage to organs through prolonged or repeated exposure.
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Hazard summary:**Physical Hazards:** No specific recommendations.**Health Hazards:****Inhalation:**

Quartz : When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use. Although classified according to EC criteria, this product is exempt from labelling according to article 23 and Annex 1 (section 1.3.4.1) of regulation (CE) n°1272/2008.

Eye contact: No specific symptoms noted

Skin Contact: No specific symptoms noted

Ingestion: No specific symptoms noted

Other Health Effects: No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

2.2 Label Elements: No data available.

2.3 Other hazards: Chemical compounds containing silicon - hydrogen bonds (SiH).

SECTION 3: Composition/information on ingredients

3.1 Substances:

not applicable

3.2 Mixtures:

General information: Mixture of Polyorganosiloxanes, fillers, additives.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	Notes
Quartz (SiO ₂)	<10%	14808-60-7			#

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification:

Chemical name	Classification		Notes
Quartz (SiO ₂)	DSD:	Xn; R48/20	
	CLP:	STOT RE 1;H372	

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.:

The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

4.1 Description of first aid measures:

Inhalation: Not relevant.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Skin Contact: Remove contaminated clothing and shoes. Wash with soap and water.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: None known.

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

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

General Fire Hazards: No specific recommendations.

5.1 Extinguishing media: Suitable extinguishing media:

Foam. Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire. Alkaline powders.

5.2 Special hazards arising from the substance or mixture:

For further information, refer to Section 10: "Stability and Reactivity".

5.3 Advice for firefighters: Special fire fighting procedures:

Water spray should be used to cool containers.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep away from Alkalis and caustic products. Eliminate all sources of ignition.

6.2 Environmental Precautions:

Collect spillage. Prevent entry into waterways, sewer, basements or confined areas.

6.3 Methods and material for containment and cleaning up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Absorb with sand or other inert absorbent. Do NOT use products which are basic. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water.

Notification Procedures:

Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the SDS.

6.4 Reference to other sections:

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

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

Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with Incompatible materials. For further information, refer to Section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container. Suitable containers: polyethylene. Steel drums coated with epoxy-resin.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control Parameters:****Occupational Exposure Limits:**

Quartz : When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use.

8.2 Exposure controls:**Appropriate engineering controls:**

Avoid inhalation of vapors and spray mists.

Individual protection measures, such as personal protective equipment:**General information:**

No specific precautions.

Eye/face protection:

Safety Glasses

Skin protection:**Hand Protection:**

Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Rubber or plastic.

Other:

It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.

Respiratory Protection:

No specific precautions.

Hygiene measures:

Provide eyewash station and safety shower.

Environmental Controls:

No data available.

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

Physical State:	Paste
Form:	Thixotropic
Color:	A: White, B: Green
Odor:	minty
Odor Threshold:	No data available.
pH:	Not applicable
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 200 °C (Closed cup according to method ASTM D-56.)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	
Flammability Limit - Lower (%)-:	
Vapor pressure:	< 0,1 hPa (20 °C)
Vapor density (air=1):	No data available.
Relative density:	1,24 (20 °C) Approximate
Solubility(ies):	
Solubility in Water:	Practically Insoluble
Solubility (other):	Diethylether.: Miscible (in all proportions). Chlorinated solvents.: Miscible (in all proportions). Aromatic hydrocarbons.: Miscible (in all proportions). Aliphatic hydrocarbons.: Miscible (in all proportions). Acetone.: Very slightly soluble. Ethanol.: Very slightly soluble.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	> 400 °C
Decomposition Temperature:	No data available
Viscosity:	887 096 mm ² /s (20 °C)
Explosive properties:	No data available.
According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)	

9.2 Other information:**SECTION 10: Stability and reactivity**

- 10.1 Reactivity:** No other information noted.
- 10.2 Chemical Stability:** Material is stable under normal conditions.
- 10.3 Possibility of Hazardous Reactions:** This product may generate hydrogen gas.
- 10.4 Conditions to Avoid:** No other information noted.

10.5 Incompatible Materials:

A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with : Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

10.6 Hazardous Decomposition Products:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

Quantity of hydrogen potentially released (l/kg of product): <2

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

11.1 Information on toxicological effects:

Acute Toxicity:

Oral:

Product:

Dermal: Not classified for acute toxicity based on available data.

Product:

Inhalation: Not classified for acute toxicity based on available data.

Product: No effects expected (assessment based on ingredients).

Repeated Dose Toxicity:

Product:

No effects expected (assessment based on ingredients).

Skin Corrosion/Irritation:

Product:

No effects expected (assessment based on ingredients).

Serious Eye Damage/Eye Irritation:

Product:

No effects expected (assessment based on ingredients).

Respiratory or Skin Sensitization:

Product:

Germ Cell Mutagenicity:

In vitro: No effects expected (assessment based on ingredients).

Product:

In vivo: No effects expected (assessment based on ingredients).

Product:

No effects expected (assessment based on ingredients).

Carcinogenicity: No effects expected (assessment based on ingredients).

Product: No data available.

Reproductive Toxicity:

Product: No effects expected (assessment based on ingredients).

Reproductive Toxicity

(Fertility):

Product: No data available.

Developmental Toxicity (Teratogenicity):

Product: No data available.

Specific Target Organ Toxicity - Single Exposure:

Product: No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Repeated Exposure:

Product: No effects expected (assessment based on ingredients).

Aspiration Hazard:

Product: No effects expected (assessment based on ingredients).

Other Adverse Effects: None known.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish:

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates:

Product: No effects expected (assessment based on ingredients).

Chronic Toxicity:

Fish:

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates:

Product: No effects expected (assessment based on ingredients).

Toxicity to Aquatic Plants:

Product: No effects expected (assessment based on ingredients).

12.2 Persistence and Degradability:**Biodegradation:****Product:** Not applicable**BOD/COD Ratio:****Product:** No data available.**Specified substance(s):**

Cristobalite No data available.

12.3 Bioaccumulative Potential:**Product:** No data available.**Specified substance(s):**

Cristobalite No data available.

12.4 Mobility in Soil: No data available.**Known or predicted distribution to environmental compartments:**

Cristobalite No data available.

12.5 Results of PBT and vPvB assessment: None Reported**12.6 Other Adverse Effects:** None known.**SECTION 13: Disposal considerations****13.1 Waste treatment methods:****General information:**

The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods:

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste.

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

SECTION 14: Transport information

This material is not subject to transport regulations.

Other information: No special precautions.**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****National Regulations:****Wassergefährdungsklasse (WGK):**

WGK 2: wassergefährdend.

Water Hazard Class (WGK):

WGK 2: water-endangering.

15.2 Chemical safety assessment: No data available.**SECTION 16: Other information****Changes compared with the previous version:** 1.1 Product identifier

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.

Wording of the R-phrases and H-statements in section 2 and 3:

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

H372 Causes damage to organs through prolonged or repeated exposure.

Inventory Status

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory

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