

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Product name:** BISICO Labosil blue and Labosil blue-fast setting (various packaging sizes)

**Trade number:** 01010, 01014, 01020, 01022, 01031

**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

Johanneswerkstraße 3

D-33611 Bielefeld

Tel.: +49 521 8016800

Fax: +49 521 8016801

Email: [info@Bisico.de](mailto:info@Bisico.de)

responsible for the Safety Data Sheet: Sebastian Zimmermann

**1.4. Emergency telephone number:**

BISICO Bielefelder Dentsilicone 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:**

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

**Classification according to Directive 67/548/EEC or 1999/45/EC as amended:**

Xn; R48/20

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

Specific Target Organ Toxicity -  
Repeated Exposure

Category 1

Causes damage to organs through prolonged or repeated exposure.

**Hazard summary:****Physical Hazards:**

**Health Hazards:** No specific recommendations.

**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:** No data available.

**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
Cristobalite	<=25%	14464-46-1	238-455-4		#

\* 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
Cristobalite	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:**

Extinguish with foam, carbon dioxide or dry powder. Water spray.

**Unsuitable extinguishing media:** None known.

**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.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

**6.2 Environmental Precautions:**

Collect spillage. Do not discharge into drains, water courses or onto the ground.

**6.3 Methods and material for containment and cleaning up:**

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.

**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:** No specific precautions.

**7.2 Conditions for safe storage, including any incompatibilities:**

No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers:polyethylene. Plastic lined steel drum.

**7.3 Specific end use(s):** No specific recommendations.

**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:**

No special precautions.

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

No specific precautions.

**Eye/face protection:****Skin protection:**

Safety Glasses

**Hand Protection:**

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

**Other:**

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**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:**

<b>Physical State:</b>	Paste
<b>Form:</b>	No data available.
<b>Color:</b>	A: White (Labosil blue fast setting: Pink), B: Blue
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	> 200 °C (Closed cup according to method ASTM D-56.)
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%)-:</b>	
<b>Flammability Limit - Lower (%)-:</b>	
<b>Vapor pressure:</b>	< 0,1 hPa (20 °C)
<b>Vapor density (air=1):</b>	No data available.
<b>Relative density:</b>	1,9 (20 °C) Approximate
<b>Solubility(ies):</b>	
<b>Solubility in Water:</b>	Practically Insoluble
<b>Solubility (other):</b>	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.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	> 400 °C
<b>Decomposition Temperature:</b>	> 200 °C
<b>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available.

According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

**9.2 Other information:**

Re 9.2 solubility in water: Hydrolytic decomposition occurs. Hydrolysis products reduce the flash point.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity:** Not relevant.
- 10.2 Chemical Stability:** Stable
- 10.3 Possibility of Hazardous Reactions:** No data available.
- 10.4 Conditions to Avoid:** No other information noted.
- 10.5 Incompatible Materials:** Strong oxidizing agents.

**10.6 Hazardous Decomposition Products:**

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

**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:**

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

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate in suitable combustion chamber.

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 1: schwach wassergefährdend.

**Water Hazard Class (WGK):**

WGK 1: slightly 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

**Preparation by:**

S. Zimmermann

Tel.: +49 521 8016800