

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2022

Version number 3

Revision: 07.12.2022

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

1.1 Product identifier

Trade name **Gilvest Liquid G**

Article number: **59623**

Article number: 59623

CAS Number:

10279-57-9

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 bonding material

Auxiliary for dental technology

Processing aid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SRL Dental GmbH

Giulinistraße 2

D-67065 Ludwigshafen

Tel.: +49 621 49085 600

Fax.: +49 621 49085 659

Information:

sales manager, AWETA

info@srl-dental.de

Product information: Phone +49 621 49085 600

1.4 Emergency telephone number:

Tel.: +49 621 49085 600, monday to friday 8.30 am to 3.15 pm MEZ in german and english language

please also contact the national emergency numbers

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not to be classified according to the GB CLP regulation.

2.2 Label elements

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

Hazard pictograms Void

Signal word Void

Hazard statements Void

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Designation:

10279-57-9 Silicic acid, colloidal solution

Description: Blend of silica gel, amorphous, in water

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 symptoms.

After inhalation of dried out material.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2022

Version number 3

Revision: 07.12.2022

Trade name **Gilvest Liquid G**
Article number: **59623**

(Contd. of page 1)

- . **After skin contact** : Wash with water and soap.
- . **After eye contact** : Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.
- . **After swallowing** :
Rinse out mouth and then drink plenty of water (approx. 500 ml).
In case of persistent symptoms consult doctor.
- . **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: Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water jet. Fight larger fires with foam.
- . **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- . **5.2 Special hazards arising from the substance or mixture** none
- . **5.3 Advice for firefighters**
- . **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- . **6.2 Environmental precautions:**
Do not allow concentrated solutions to enter drainage system, surface or ground water.
Dilute with much water.
- . **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
- . **6.4 Reference to other sections** No dangerous materials are released.

* SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**
No special precautions necessary if used correctly.
Provide suction extractors if dust is formed.
- . **Information about protection against explosions and fires:** The product is not flammable
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:**
Protect from frost.
Product quality requires storage between + 5 °C and + 40 °C.
Store in cool, dry conditions in well sealed containers.
- . **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 systems:** No further data; see section 7.
- . **Components with critical values that require monitoring at the workplace:** In case of dried out material.
- . **Additional information:** The lists that were valid during compilation were used as a basis.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2022

Version number 3

Revision: 07.12.2022

Trade name **Gilvest Liquid G**
Article number: **59623**

(Contd. of page 2)

. 8.2 Exposure controls

. Personal protective equipment

. General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

. Breathing equipment:

Not necessary if room is well-ventilated.

Dust mask according to DIN EN 140 or 149 (FFP1 or FFP2)

Only if material is dried out.

. Protection of hands:

Protective gloves:

In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm

. Material of gloves

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Natural rubber, NR

Chloroprene rubber, CR

Neoprene gloves

. 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.

. Not suitable are gloves made of the following materials: Leather gloves

. Eye protection: Safety glasses (DIN 58211, EN 166)

. Body protection: Light weight protective clothing

* SECTION 9: Physical and chemical properties

. 9.1 Information on basic physical and chemical properties

. General Information

. Appearance:

Form: Fluid

Colour: White

. Smell: Odourless

. Odour threshold: not applicable

. pH-value: 9-10 (original)

. Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: ~100 °C

. Flash point: Not applicable

. Inflammability (solid, gaseous) not applicable

. Ignition temperature: not applicable

. Decomposition temperature: not determined

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2022

Version number 3

Revision: 07.12.2022

Trade name **Gilvest Liquid G**
Article number: **59623**

(Contd. of page 3)

- . **Explosive properties:** Product is not explosive.
- . **Critical values for explosion:**
 - Lower: not applicable
 - Upper: not applicable
- . **Dust explosion class:**
- . **Oxidising properties:** not applicable
- . **Steam pressure:** Not determined.
- . **Density at 20 °C:** 1.2 g/cm³
- . **Evaporation rate:** not determined
- . **Solubility in / Miscibility with Water:** Fully miscible
- . **Partition coefficient: n-octanol/water:** Not determined.
not determined
- . **Viscosity:**
 - dynamic at 20 °C: < 20 mPas
- . **9.2 Other information:** No further relevant information available.

SECTION 10: Stability and reactivity

- . **10.1 Reactivity:**
 - No further relevant information available.
 - 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:** No dangerous reactions known
- . **10.4 Conditions to avoid:** No further relevant information available.
- . **10.5 Incompatible materials:** void
- . **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects:**
 - . **Acute toxicity:** Based on available data, the classification criteria are not met.
 - . **LD/LC50 values that are relevant for classification:**
 - . **10279-57-9 Silicic acid, colloidal solution:**
 - Oral LD50 >5,000 mg/kg (rat)
 - . **Primary irritant effect:**
 - . **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
 - . **Serious eye damage/irritation:** Moderate irritation
 - . **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
 - . **Additional toxicological information:**
 - . **Repeated dose toxicity:** No further relevant information available.
 - . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - . **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
 - . **Carcinogenicity:** Based on available data, the classification criteria are not met.
 - . **Reproductive toxicity:** Based on available data, the classification criteria are not met.
 - . **STOT-single exposure:** Based on available data, the classification criteria are not met.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2022

Version number 3

Revision: 07.12.2022

Trade name **Gilvest Liquid G**
Article number: **59623**

(Contd. of page 4)

- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:**
 - LC0 5,000 mg/L (Danio rerio)
 - EC50 >10,000 mg/L (activated sludge)
- . **10279-57-9 Silicic acid, colloidal solution**
 - LC50 (96 h) >100 mg/L (Brachydanio rerio)
 - EC50 >1,000 mg/L (activated sludge)
 - EC50 (48 h) >100 mg/L (daphnia magna)
- . **12.2 Persistence and degradability** No further relevant information available.
- . **Other information:**
 - Inorganic salts are basically not biodegradable.
 - Easy elimination possible by flocculation or adsorption by sludge.
- . **12.3 Bioaccumulative potential** Does not accumulate in organisms
- . **12.4 Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Other information:**
 - No COD, no BOD, no AOX
 - No VOC (0%) according to EC-directive 1999/13/EC
- . **Additional ecological information:**
- . **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
 - None
- . **General notes:**
 - Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- . **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 considerations

- . **13.1 Waste treatment methods**
- . **Recommendation**
 - Smaller quantities can be disposed with household garbage.
 - Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.
- . **Uncleaned packaging:**
- . **Recommendation:**
 - Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
 - Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
 - Dispose of packaging according to regulations on the disposal of packagings.
- . **Recommended cleaning agent:** Water, if necessary with cleaning agent.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2022

Version number 3

Revision: 07.12.2022

Trade name **Gilvest Liquid G**
Article number: **59623**

(Contd. of page 5)

SECTION 14: Transport information

- . 14.1 UN-Number
. ADR/RID/ADN, IMDG, IATA Void
- . 14.2 UN proper shipping name
. ADR/RID/ADN, IMDG, IATA Void
- . 14.3 Transport hazard class(es)
. ADR/RID/ADN, IMDG, IATA Void
- . Class Void
- . 14.4 Packing group
. ADR/RID/ADN, IMDG, IATA Void
- . 14.5 Environmental hazards: Not applicable.
- . 14.6 Special precautions for user: Not applicable.
- . 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.
- . Transport/Additional information: Not dangerous according to the above regulations. Frost protected transport has to be guaranteed.
- . UN "Model Regulation": Void

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 Substance is not listed.
- . 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Department issuing data specification sheet: AWETA
- . Contact:
sales manager, AWETA
info@srl-dental.de
- . Abbreviations and acronyms:
ADR: Accord relatif au transport international 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
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
- . Sources: source ECHA: European Chemicals Agency, <http://echa.europa.eu/>
- . * Data compared to the previous version altered.