

Material Safety Data Sheet

Sil-Tech Gel



Date of issue / Reference

22.12.2011

liprt / Version 4

Replaces version of

01.10.2007

lise / v3

Date of printing

22.12.2011

Sheet No. 1524

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Company

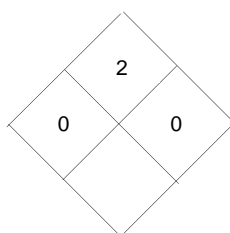
Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Principality of Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name /
Designation

Sil-Tech Gel

NFPA



HMIS

H	0
F	2
R	0
C	

1.2 Application / Use

Hardener

1.3 Producer

Ivoclar Vivadent AG, Bendererstrasse 2, 9494 Schaan
Principality of Liechtenstein (FL)

1.4 Supplier

Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA
2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada
MSDS prepared by Andejeet Gulati. Tel. No. 716 691-0010

1.5 24 Hour Emergency Assistance

Emergency-Call USA- Infotrac: 1-800-535-5053
Emergency-Call Canada - Canutec: 1-613-996-6666

General MSDS Assistance

US: 1-800-533-6825
Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization

Preparation of polyethylmethylsilicate, silicium dioxid, hydrocarbon,
catalyst, flavourants and colourant

2.2 Hazardous components

CAS No. 93925-42-9 < 20 % Alcylstannosiloxane
Xi: Irritant. R36: Irritating to eyes.

2.3 Further information

None.

3 Hazards identification

Prevent skin and eye contact.

4 First aid measures

4.1 Eye contact

Flush eyes with plenty of water (10-15 min.). Call a physician.

4.2 Skin contact

Wash thoroughly with soap and water.

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- | | | |
|-----|---------------------|---|
| 4.3 | Ingestion | After ingestion call a physician immediately and show this safety data sheet. Give large amounts of water. Induce vomiting. |
| 4.4 | Inhalation | Take into fresh air. |
| 4.5 | Further information | None. |

5 Fire-fighting measures

- | | | |
|-----|------------------------------|--|
| 5.1 | Suitable extinguishing media | Water fog, carbon dioxide, foam, dry chemicals. |
| 5.2 | Extinguishing media to avoid | None known |
| 5.3 | Flash point | 143 °F |
| 5.4 | Ignition temperature | not known |
| 5.5 | Explosion limits | Lower:
Upper:
not applicable |
| 5.6 | Further information | Under fire conditions some components of this product may decompose. Avoid breaving smoke. |

Test method:

6 Accidental release measures

Clean up mechanically. Wash the area with soap and water. Do not allow to flow off into the drains or waters.
Dispose of according to local and national regulations.

7 Handling and storage

- | | | |
|-----|--------------------------------|---|
| 7.1 | Handling | Only adequately trained personnel should handle this product.
Keep out of reach of children. |
| 7.2 | Industrial hygiene | Usual hygienic measures for dental practice.
When using, do not eat, drink or smoke. |
| 7.3 | Storage | Store at 2-28 °C / 36-82 °F |
| 7.4 | Place of storage | Store in a well ventilated, cool, dry area.
Keep containers tightly closed. |
| 7.5 | Fire- and explosion-protection | Keep away from open flames and spark producing equipment. |

8 Exposure controls / Personal protection

- | | | |
|-------|-------------------------------|--|
| 8.1 | Technical measures | Good general ventilation should be sufficient. |
| 8.2 | Control of threshold limits | |
| 8.3 | Personal protective equipment | |
| 8.3.1 | Respiratory protection | Not required. |

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8.3.2 Hand protection Gloves.
8.3.3 Eye protection Safety goggles.
8.3.4 Other None.

9 Physical and chemical properties

9.1 Appearance Gel
9.2 Colour red
9.3 Odour low
9.4 Change of physical state Test method:
not applicable
9.5 Density 1.05 g/cm³ (20°C)
9.6 Vapour pressure
< 42 mbar (20°C)
9.7 Viscosity
not known
9.8 Solubility
Solubility in water non soluble
9.9 pH
not known
9.10 Further information None.

10 Stability and reactivity

10.1 Thermal decomposition > 250 °C
10.2 Hazardous decomposition products None, if used in accordance to instructions.
10.3 Hazardous reactions None, if used in accordance to instructions.
10.4 Further information None.

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11 Toxicological information

- 11.1 Acute toxicity Assessment based on actual testing or on data for similar material(s).
Oral LD50 for rats: >2'000 mg/kg
- 11.2 Subacute / Chronic toxicity No adverse effects anticipated by this route of exposure incidental to proper industrial handling.
- 11.3 Further information Avoid eye contact.

12 Ecological information

No ecological problems to be anticipated if properly handled and used.
nearly insoluble
Material is not degradable in the environment.
Do not discharge to sewers or natural waters.

13 Disposal considerations

Take to a special waste incineration plant, in line with local regulations.

14 Transport information

- 14.1 Transport at land
- | | | | |
|----------------------|-----|---------------|-----|
| ADR | --- | RID | --- |
| UN Number | --- | Kemler Number | --- |
| Packing Group | --- | | |
| Proper shipping name | --- | | |
- 14.2 Transport at sea
- | | | | |
|----------------------|-----|------|-----|
| ADNR | --- | IMDG | --- |
| UN Number | --- | | |
| EMS | --- | MFAG | --- |
| Packing Group | --- | | |
| Proper shipping name | --- | | |
- 14.3 Air transport
- | | |
|----------------------|--------------------------|
| ICAO / IATA-DGR | --- |
| UN Number | --- |
| Proper shipping name | --- |
| Subsidiary Risk | --- |
| Labels | --- |
| Packing Group | --- |
| Passenger airplane | Packing Instructions --- |
| | max. --- |
| Cargo Airplane | Packing Instructions --- |
| | max. -- |
- 14.4 Further information Product is not classified as a dangerous good for transport.

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15 Regulatory information

This product requires classification according to the criteria of the "Gefahrstoffverordnung".

15.1 National regulations

15.2 NFPA Storage

15.3 Further information None.

16 Other information

No other information.

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

This safety data sheet has been generated with the safety database 'ChemManager',
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