

SAFETY DATA SHEET (GHS)

Issue Date: 24.07.2016
Version: 1.0.3
Revision Date: 12.07.2017
Print Date: 21.12.2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE/PRODUCT AND MANUFACTURER/IMPORTER**1.1 Product identifier:-**

Product name:	Ivoclar Vivadent SIL-TECH, SIL-TECH PLUS, SIL-TECH SUPER
Product number:	Void

1.2 Other means of identification:-

Not applicable.

1.3 Recommended use of the chemical and restrictions on use:-

Not applicable.

Identified uses:

Polysiloxane Laboratory Putty

1.4 Details of the manufacturer and importer:-**Manufacturer:**

Ivoclar Vivadent AG
 Bendererstrasse 2
 FL-9494 Schaan
 PRINCIPALITY OF LIECHTENSTEIN
 Tel: +423 235 35 35
 Fax: +423 235 33 60

Importer:

Ivoclar Vivadent Pty Ltd
 1- 5 Overseas Drive Noble Park North VIC 3174
 Tel: + 61 3 9795 9599 Fax: + 61 3 9795 9645
 Email: info@ivoclarvivadent.com

1.5 Emergency phone number:

13 11 26
 Poisons Hotline (24 hours / 7 days)

2. HAZARD(S) IDENTIFICATION**2.1 GHS Classification:-**

This product is not classified as: Hazardous according to criteria of National Occupational Health and Safety Commission. Non-Dangerous Goods according to ADG. Uncured material: Direct contact can cause eye and skin irritation. The material is contraindicated if a person is known to be allergic to any of the ingredients of the product.

2.2 GHS Label elements, including precautionary statements:-**Hazard Pictogram:****Signal word:**

Void

Hazard-determining components of labelling:

Void

Hazard statements:

Void

Precautionary statements:**2.3 Additional information:**

None, if handled according to order. May cause sensitisation by skin contact with skin. Irritating to eyes, skin and mucus membranes.

Other hazards:-**Results of PBT and vPvB assessment;**

PBT:	Not applicable.
vPvB:	Not applicable.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of substances listed below with nonhazardous additions.

Chemical characterization

Mixture mineral oil, silica and polydimethylsiloxane

Ingredient name	CAS No.	Classification	Concentration
Mineral oil	8012-95-1		5-10 %
Silica, Amorphous Fumed	7631-86-9 80		30-60 %
Polydimethylsiloxane	70131-67-8		10-30%
Mineral fillers	68855-54-9		10-30%

For the full text of the H-Statements mentioned in this Section, refer to Section 16.

4. FIRST AID MEASURES

4.1 Description of necessary first aid measures:-

General

Immediately remove all contaminated clothing.

If inhaled:

Let in fresh air. Call a doctor, should the air passages be affected.

In case of skin contact:

Flush with plenty of water. Wash thoroughly with soap and water

In case of eye contact:

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

If swallowed:

Drink plenty of water. Do not induce vomiting. Contact a doctor immediately. No hazards anticipated from swallowing small amounts incidentally

4.2 Symptoms caused by exposure:-

No further relevant information available

4.3 Medical attention and special treatment:-

No further relevant information available.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing equipment:-

Suitable extinguishing media:

Carbon dioxide. Extinguishing powder. Water fog, foam, dry chemicals. Not combustible under normal conditions. Adapt extinguishing measures to suit the environment
Do not use direct water stream.

Unsuitable extinguishing media:

Combustible when exposed to heat or flame

5.2 Specific hazards arising from the substance/mixture/product:-

When heated to decomposition, it emits acrid smoke and irritating fumes.

5.3 Special protective equipment and precautions for fire fighters:-

Special personal protective equipment:

When extinguishing fires, use breathing apparatus with an independent source of air.

Precautions:

No further relevant information available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:-

Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions:-

Prevent from flowing into surface water/ground water.

6.3 Methods and materials for containment and cleaning up:-

Take up with a mechanical source and proceed according to the waste disposal regulations.

Additional information: Remove according to regulations. Cool containers in the vicinity of the blaze using a water spray. Clean up with absorbent material. Prevent skin and eye contact. Clean area with large amounts of water. No anti-explosion measures necessary

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:-

Containers to be opened and handled with care. Make sure that ventilation is adequate. Only adequately trained personnel should handle this product. Keep out of reach of children. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities:-

Keep only in the original container.

Store at 2-28 °C / 36-82 °F

Do not store in open sunshine.

Keep away from heat source.

Store the foodstuffs separately.

Avoid exposure to light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure control measures:-

Occupational exposure limits:

Component	CAS No.	Value	Parameters	Basis
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Ingredients with biological limit values:

No particular measures required. Technical measures Provide adequate local ventilation. Control airborne concentration below the exposure guideline.

8.2 Biological monitoring:-

The lists valid during the making were used as basis.

Exposure controls / Personal protective equipment / General protective and hygienic measures:

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff. Avoid contact with skin and eyes. Respiratory protection

8.3 Control banding:-

Use good industrial hygiene practice and general ventilation.

8.4 Engineering controls:-

Void

8.5 Individual protection measures include PPE:-

Eye/face protection:



Safety glasses

Use tightly fitting safety glasses (Australian Standard AS 1336 and AS/NZS 1337).

Skin protection:



Short-term exposure (< 30 min): disposable gloves, e.g. nitrile rubber, material thickness 0.1 mm (Australian Standard 2161). Long-term exposure (Level 6: < 480 min): protective gloves, e.g. nitrile rubber, material thickness 0.7 mm (Australian Standard 2161)

Respiratory protection:



Provide for good ventilation. Do not breath vapors

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 Information on physical/chemical properties:-

a) Appearance/Form:	Gel High Viscosity
b) Colour:	Grey
c) Odour:	Characteristic
d) Odour threshold:	Not determined.
e) pH value:	Not applicable.
f) Melting point/melting range:	1013 hPa
g) Boiling point/boiling range:	Undetermined.
h) Flash point:	>150 °C
i) Ignition temperature:	Not determined.
j) Self-igniting:	Product is not self-igniting.
k) Danger of explosion:	Not determined.
l) Upper/lower flammability or explosive limits:	Lower Not determined. Upper Not determined.
m) Vapour pressure:	Not applicable.
n) Density at 25°C:	Not determined.
o) Relative density:	Not determined.
p) Vapour density:	Not applicable.
q) Evaporation rate:	Not applicable.
r) Solubility in/miscibility with water:	Nearly insoluble.
s) Partition coefficient: n- octanol/water:	Not determined.
t) Viscosity:	Dynamic Not applicable. Kinematic Not applicable.
u) Solids content:	Not determined.

10. STABILITY AND REACTIVITY

10.1 Reactivity:-

No further relevant information available.

10.2 Chemical stability:-

Stable under normal handling and storage conditions.

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:-

None, if handled according to order.

10.5 Incompatible materials:-

No further relevant information available.

10.6 Hazardous decomposition products:-

Product may decompose at elevated temperatures generating vapors which could be irritating.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:-

Acute toxicity / Values relevant for classification:

Oral LD50 for rats: > 5'000 mg/kg

Primary irritant effect

Do not ingest

Skin corrosion/irritation:

Serious eye damage/eye irritation:

Respiratory or skin sensitization:

Germ cell mutagenicity:

Carcinogenicity:

Reproductive toxicity:

No irritant effect
Mechanical effects only
No sensitising effects known.
No further relevant information available.
No further relevant information available.

<p>Specific target organ toxicity - single exposure:</p> <p>Specific target organ toxicity - repeated exposure:</p> <p>Aspiration hazard:</p> <p>Additional information:</p>	<p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p>
<p>Short Term (Acute) Exposure:</p> <p>Swallowed:</p> <p>Eyes:</p> <p>Skin:</p> <p>Inhaled:</p> <p>Long Term (Chronic) Exposure:</p> <p>Swallowed:</p> <p>Eyes:</p> <p>Skin:</p> <p>Inhaled:</p>	<p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p>
<p>11.3 Early onset symptoms related to exposure:-</p> <p>11.4 Delayed health effects from exposure:-</p> <p>11.5 Exposure levels and health effects:-</p> <p>11.6 Interactive effects:-</p> <p>11.7 Other:-</p>	<p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p>
<p>12. ECOLOGICAL INFORMATION</p>	
<p>12.1 Ecotoxicity:-</p> <p>Performance in sewage-treatment plants The product must not enter effluent, ground water, surface water or the soil.</p> <p>12.2 Persistence/degradability:-</p> <p>No further relevant information available.</p> <p>12.3 Bioaccumulative potential:-</p> <p>No further relevant information available.</p> <p>12.4 Mobility in soil:-</p> <p>No further relevant information available.</p> <p>12.5 Other adverse effects:-</p> <p>No ecological problems to be anticipated if properly handled and used. Do not discharge the liquid to sewers or natural waters. nearly insoluble</p> <p>Additional ecological information / General notes:-</p> <p>No further relevant information available.</p> <p>12.6 Other adverse effects:-</p> <p>No further relevant information available.</p>	
<p>13. DISPOSAL CONSIDERATIONS</p>	
<p>13.1 Disposal methods:-</p> <p>Concentrate: The cleaned-up material must be disposed of in accordance with Federal, State or Local regulations.</p> <p>Contaminated packaging</p> <p>Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.</p>	
<p>14. TRANSPORT INFORMATION</p>	
<p>UN number ADR / IMDG / IATA:-</p> <p>UN proper shipping name or technical name:-</p> <p>ADR:</p>	<p> Void.</p> <p> Void.</p>

<p>IMDG, IATA: Transport hazard class(es): Label: Packaging group: Environmental hazards: Special precautions for user:</p>	<p>Void. Void. Void. Void. Not applicable. Not applicable.</p>
<p>Danger code: EMS Number: Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Transport/Additional information:</p>	<p>Void. Void. Not applicable. Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).</p>

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture/product:-

The product is a medical device according to the Directive 93/42/EEC.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Key to abbreviations/acronyms used in SDS:-

Hazard-determining components of labelling
 None : MAK value 0.0 mg/m³ ml/m³ (ppm)
R-phrases
 11 Highly Flammable
 43 May cause sensitisation by skin contact
 36/37/38 Irritating to eyes, respiratory system and skin.
S-phrases
 2 Keep out of the reach of children.
 9 Keep container in a well-ventilated place
 16 Keep away from sources of ignition -No smoking.
 24/25 Avoid contact with skin and eyes.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 28 After contact with skin, wash immediately with plenty of water and soap.
 37/39 Wear suitable gloves and eye/face protection

Key literature references/data sources used to compile SDS:-

Void

Copyright statement:-

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:-

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.

Flam. Liq. 2: Flammable liquids, Hazard Category 2.

Flam. Liq. 3: Flammable liquids, Hazard Category 3.

Acute Tox. 4: Acute toxicity, Hazard Category 4.

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2.

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2.

Repr. 2: Reproductive toxicity, Hazard Category 2.

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3.

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2.

Asp. Tox. 1: Aspiration hazard, Hazard Category 1.

*** Data compared to the previous version altered**

Disclaimer:-

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Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.

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