

DSI ApexSil Silver

Sealer paste with silver particles

Material safety data sheet (MSDS)
Version 1.0 / EN

10/08/2022

SECTION 1: PRODUCT AND COMPANY INFORMATION

1.1. Product identifier

Product Name	DSI ApexSil Silver
Intended use	permanent root canal filling material
Structure	flowable paste
Color	Base: white; Catalyst: light brown

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

Company Name	DSI Ltd.
Company Address	59 haAvoda str., Ashdod 7706300 Israel
Contact Name	Shlomi Krasner
Phone / Fax	+972.893.172.35
E-mail	info@dsisrael.com

Emergency telephone number:	
Phone / Fax	+972.893.172.35

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

2.1. Chemical characterization:

BASE PASTE

COMPONENTS	C.A.S.	% by Wt
Polydimethyl siloxane	9016-00-6	30-35
Crosslinker*	-	5-10
Paraffin liquid	8012-95-1	5-10
Zirconium dioxide	73649-21-5	20-25
Silanated silica	68909-20-6	1-3

* indicates the ingredient name and/or exact percentage is being withheld as a trade secret.

CATALYST PASTE

COMPONENTS	C.A.S.	% by Wt
Polydimethyl siloxane	9016-00-6	35-40
Paraffin liquid	8012-95-1	10-15
Zirconium dioxide	73649-21-5	20-25
Platinum catalyst	68478-92-2	< 1
Silanated silica	68909-20-6	1-3

SECTION 3: HAZARDS IDENTIFICATION

3.1. Classification of the substance or mixture

Hazardous constituents: None

Hazards identification: Not applicable

SECTION 4: FIRST AID MEASURES

General instructions:

4.1. Skin contact: Rinse with plenty of water and soap.

4.2. Eye contact: Rinse with plenty of water and soap and consult a doctor.

4.3. Ingestion: Seek medical advice immediately.

SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

Suitable extinguishing agents:

5.1. Recommended fire fighting media: CO₂, water

5.2. Prescribed fire fighting media: None

5.3. Dangerous products of combustion: None

5.4. Special protective gear: None

5.5. Additional instructions: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

6.1. Personal safety measures: None

6.2. Environmental safety measures: No negative ecological effects known

6.3. Clean-up procedure: Wipe out with absorbent material

6.4. Additional instructions: None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

7.1. Handling: For professional dental use only

7.2. Storage: Avoid direct sunlight. Store in a cool place, store away from food.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

8.1. Engineering controls: None

8.2. Components with specific tolerances: Contains no relevant quantities of components with limits of values to be supervised at the workplace.

8.3. Personal protection: Normal hygienic measures.

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

9.1. Information on basic physical and chemical properties:

Appearance:	
Form:	flowable paste
Color:	
Base :	white ;
Catalyst :	light brown
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Ignition temperature :	no data available
Self-igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Density:	Not determined.
Relative density :	Not determined.

· Vapour density :	Not applicable.
· Evaporation rate :	Not applicable.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.

9.2. Other information : No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Conditions to avoid: Slight evaluation of hydrogen traces by contact with acids, bases, alcohols, powdered metals and metal oxides.

10.2. Substances to avoid: -

10.3. Dangerous decomposition products: -

10.4. Additional information: None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Acute toxicity: No toxic characteristics known for the whole product.

11.2. Chronic toxicity: See above.

SECTION 12: ECOLOGICAL INFORMATION

Information for elimination:

12.1. Behavior in environmental compartments: -

12.2. Ecotoxicity: None

12.3. Additional ecological Information: Causes no damage as far as known

SECTION 13: DISPOSAL CONSIDERATION

13.1. Product: Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

13.2. Packing: Consult regional or local authorities

SECTION 14: TRANSPORT INFORMATION

14.1. Dangerous goods:

No dangerous goods according to regulations. Store away from food, acids and bases.

SECTION 15: OTHER INFORMATION

15.1. Marking: No classification necessary

15.2. National regulations: None

Disclaimer:

Since the working conditions of the final user are unknown, the information presented in this safety data sheet is based on the current level of our knowledge, based on national and general standards.

The product should not be used for any other purpose than those indicated under heading without first receiving written instructions for use. The user must take all necessary measures to comply with the requirements and rules of the law. The information in this safety data sheet should be considered as a description of the safety requirements that apply to our product and does not guarantee its properties.