

DSI ApexSil Cal

Root Canal Filling Material

Material safety data sheet (MSDS)
Version 1.0 / EN

26/12/2022

SECTION 1: PRODUCT AND COMPANY INFORMATION

1.1. Product identifier

Product Name	DSI ApexSil Cal
Intended use	Root Canal Filling Material
Structure	Paste
Color	Opaque

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
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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	C.A.S.	% by Wt
Zinc oxide	1314-13-2	15-25%
Thickening agent*	—	1-2 % (trade secret*)
Fillers*	—	15-25 % (trade secret*)
Excipients*	—	(trade secret*)

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

SECTION 3: HAZARDS IDENTIFICATION

Skin: May be irritating to the skin. Repeated contact may cause allergic dermatitis.

Eyes: May be irritating to the eyes.

Inhalation: Prolonged exposure may cause drowsiness.

Ingestion: Consult physician Carcinogenicity - NTP: No
IARC Monographs: No OSHA Regulated Carcinogen: No

SECTION 4: FIRST AID MEASURES

- Flash Point (Method Used): N/D
- Flammable Limits: LEL: N/A UEL: N/A
- Extinguishing Media: Carbon dioxide, foam, dry chemical.
- Special Fire Fighting Procedures: None
- Unusual Fire and Explosion Hazards: None

SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: Do not use water jet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Skin:	Wash with soap and water.
Eyes:	Flush eyes with water for at least 15 minutes.
Inhalation:	Remove to fresh air.
Ingestion:	Consult physician.

SECTION 7: HANDLING AND STORAGE

Steps to be taken in case material is released or spilled: Wipe up with paper towels and dispose of in a suitable container.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

Precautions to be taken in handling and storing: Store in a cool, dry place. Wash thoroughly after handling.

Other precautions: Use according to directions mentioned in IFU

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Type): N/A

VENTILATION:

Local Exhaust: N/A

Mechanical (General): Should be sufficient Protective Gloves: Gloves are recommended. Eye Protection: Safety glasses

Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/E
Specific Gravity (H ₂ O = 1):	no data available
Vapor Pressure (mm Hg):	N/A
Vapor Density (AIR = 1):	N/A
Reactivity in Water:	N/A
Appearance - Base:	white flowable paste

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None known
Incompatibility (Material to Avoid):	N/A
Hazardous Decomposition Products:	N/A
Hazardous Polymerization:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

· Acute toxicity:	
· Primary irritant effect:	
· On the skin:	Irritant to skin and mucous membranes.
· On the eyes:	Irritating effect.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Mixture	No aquatic toxicity data available for the mixture.
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12.2. Persistence and degradability

Substances	No aquatic toxicity data available for the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No data available.
Other adverse effects	No data available.

SECTION 13: DISPOSAL CONSIDERATION

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14: TRANSPORT INFORMATION

	DOT Classification	IM DG	IA TA
UN number	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name	–	–	–
Transport hazard class(es)	–	–	–
Packing group	–	–	–
Environmental hazards	No	No	No
Additional information	–	–	–

SECTION 15: REGULATORY INFORMATION

Clean Water Act (CWA) 307: zinc oxide

SECTION 16: OTHER INFORMATION

* Changes in content as per regulations – GHS classification

ATE = Acute Toxicity Estimate BCF = Bio concentration Factor

GHS = Globally Harmonized System of Classification and Labeling of Chemicals IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

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.

