

DSI ApexPaste Hard Calcium Hydroxide Cavity Liners

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 ApexPaste Hard
Intended use	Pulp Capping Material
Structure	Paste
Color	white

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

COMPONENTS BASE	C.A.S.	% by Wt
Calcium hydroxide	1305-62-0	40-45 %
Zinc oxide	1314-13-2	5-10%
Excipients*	—	(trade secret*)

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

SECTION 3: HAZARDS IDENTIFICATION

Label elements

Hazard Statement	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 4: FIRST AID MEASURES

Inhalation	May cause irritation to mucous membranes. Move the exposed person to fresh air.
Skin contact	May cause irritation to skin. Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Ingestion	May cause irritation to mucous membranes. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Seek medical attention.

SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

Extinguishing media

Carbon dioxide (CO₂). Foam.

Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

Advice for firefighters

Self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

6.2 Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3 Methods and materials for containment and cleaning up.

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.

SECTION 7: HANDLING AND STORAGE

- Precautions for safe handling : No special precautions are necessary if used correctly.
- Information about fire – and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: Keep container tightly sealed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from food, beverages and pet food. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands: Protective gloves

· Gloves material: The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked before use.

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	white flowable paste
Normal Physical State	Paste
Melting Point	Not Applicable
Specific Gravity	no data available
Solubility in Water	Not soluble
pH	no data available
Flashpoint - Method	Not Applicable
Flammable (Explosive) Limits in Air LEL	Not Applicable
UEL:	Not Applicable
Auto ignition Temperature	Not Applicable
Other	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

- Stability: stable

- Conditions to avoid (stability): heat and humidity

- incompatibility (materials to avoid): strong bases
- Hazardous polymerization: will not occur
- Conditions to avoid (polymerization): none

SECTION 11: TOXICOLOGICAL INFORMATION

Primary irritation:

skin: may cause skin irritation

eye: irritating effect

Sensitization: no sensitizing effect known

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available

Persistence and degradability: No further relevant information available .. Behavior in environmental systems:

Bioaccumulative potential No further relevant information available Mobility in soil No further relevant information available

General information: Do not allow undiluted product or large quantities of it into surface water or sanitary sewer system

SECTION 13: DISPOSAL CONSIDERATION

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations

Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

SECTION 14: TRANSPORT INFORMATION

UN-Number · ADR, IMDG, IATA	Void
UN proper shipping name · ADR	Void
Transport hazard class(es) · ADR · Class	Void

IMDG, IATA · Class	Void
Packing group · ADR, IMDG, IATA	NA
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information	

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III,

Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

SECTION 16: OTHER INFORMATION

Text of Risk Phrases

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of Hazard Statements

Skin Corr. 1A:

H314 - Causes severe skin burns and eye damage. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

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.

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Emergency telephone number:

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS CATALYST	C.A.S.	% by Wt
Ethylene glycol salicylate	—	40-45 %
Zinc oxide	1314-13-2	4-8 %
Fillers*	—	3-5% (trade secret*)

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

SECTION 3: HAZARDS IDENTIFICATION

Label elements

Hazard Statement	Skin Corr. 1A: H314 - Causes eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Ingestion	May cause irritation to mucous membranes. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Seek medical attention.

SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

Extinguishing media

Carbon dioxide (CO₂). Foam.

Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

Advice for firefighters

Self-contained breathing apparatus.

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- Precautions for safe handling : No special precautions are necessary if used correctly.
 - Information about fire - and explosion protection: No special measures required.
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- Storage:
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· 8.1 Control parameters

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Avoid contact with the eyes and skin.

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· Protection of hands: Protective gloves

· Gloves material: The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked before use.

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	light brown flowable paste
Normal Physical State	Paste
Melting Point	Not Applicable
Specific Gravity	no data available
Solubility in Water	Not soluble
pH	no data available
Flashpoint - Method	Not Applicable
Flammable (Explosive) Limits in Air LEL	Not Applicable
UEL:	Not Applicable
Auto ignition Temperature	Not Applicable
Other	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

- Stability: stable

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Primary irritation:

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SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available Mobility in soil No further relevant information available

General information: Do not allow undiluted product or large quantities of it into surface water or sanitary sewer system

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Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations

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SECTION 14: TRANSPORT INFORMATION

UN-Number · ADR, IMDG, IATA	Void
UN proper shipping name · ADR	Void

Transport hazard class(es) · ADR · Class	Void
IMDG, IATA · Class	Void
Packing group · ADR, IMDG, IATA	NA
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information	

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

SECTION 16: OTHER INFORMATION

Text of Risk Phrases

R35 - Causes severe burns.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of Hazard Statements

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Aquatic Chronic 1: H410 - Very toxic to aquatic life.

Disclaimer:

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