

# DSI ApexPaste Bio

## Light Curing Pulp paste

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 Bio
Intended use	Light Curing Pulp paste with $\beta$ -TCP and hydroxyapatite
Structure	Paste

### 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	C.A.S.	% by Wt
Methacrylate monomers*	—	1-5%
Radiopacifier*	—	1-5 % (trade secret*)
Photo initiators*	—	Traces (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 statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures:

<b>General information</b>	Immediately remove any clothing soiled by the product.
<b>After inhalation</b>	This product is a thick paste, therefore inhalation is extremely unlikely.
<b>After skin contact</b>	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>After eye contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>After swallowing</b>	Do not induce vomiting. Seek medical help if necessary.
<b>Information for doctor</b>	<b>Most important symptoms and effects, both acute and delayed</b> No further relevant information available.
<b>Indication of any immediate medical attention and special treatment needed</b>	No further relevant information available.

## SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

### Extinguishing media

Suitable extinguishing agents	Foam, dry chemical, carbon dioxide. Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture	During heating or in case of fire poisonous gases are produced.
Advice for firefighters:	Wear fully protective suit.
Protective equipment:	Mouth respiratory protective device.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

- Environmental precautions: Do not allow to enter sewers/ surface or ground water.

- Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

- Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

- Handling:

- Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

- 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:

Protect from exposure to the light. Keep container tightly sealed.

- Specific end use(s) Professional Dental Liner

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Inhalation:</b>	Not applicable
<b>Eye Contact:</b>	Prolonged or repeated exposure may cause irritation
<b>Skin Absorption:</b>	Not applicable
<b>Skin Contact:</b>	Possible irritation, but unlikely
<b>Ingestion:</b>	None expected under normal conditions of use.

- Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

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

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies 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 prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed goggles

## SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	flowable homogenous Paste
Odour threshold:	Not determined.
pH-value:	Not applicable (non-aqueous)
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/ water:	Not determined.
Viscosity:	
Dynamic:	Not determined.

<b>Kinematic:</b>	Not determined.
-------------------	-----------------

## SECTION 10: STABILITY AND REACTIVITY

- Reactivity Stable
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: Light
- Hazardous decomposition products: No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Harmful if swallowed.

May cause irreversible damage to the skin;

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight

Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties. May cause an allergic reaction by skin contact.

## SECTION 12: ECOLOGICAL INFORMATION

- 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.
- Additional ecological information:
- General notes:  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralized.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATION

- Waste treatment methods
- Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

## SECTION 14: TRANSPORT INFORMATION

· <b>UN-Number</b> · <b>ADR, ADN, IMDG, IATA</b>	Not regulated
<b>UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Not regulated
· <b>Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Not regulated
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	Not regulated
· <b>Environmental hazards:</b>	Not applicable
· <b>Special precautions for user</b>	Not applicable
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable
· <b>UN “Model Regulation”:</b>	Not regulated

## SECTION 15: REGULATORY INFORMATION

· Chemical safety assessment:

Device is biocompatible when used as directed by dental professionals per ISO 10993-1

## SECTION 16: OTHER INFORMATION

· Changes in content as per regulations – GHS classification

· Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

Abbreviations:

· 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 Labeling 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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

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.