

DSI Zoer Quick ZOE Cement

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 Zoer Quick
Intended use	Temporary Dental Cement
Structure	Powder/Liquid

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

Chemical characterization:

COMPONENTS Powder	C.A.S.	% by Wt
Zinc oxide	1314-13-2	> 90 %
Excipients *	—	(trade secret*)

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

SECTION 3: HAZARDS IDENTIFICATION

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material may cause slight transient (temporary) irritation.	Single & Repeated	Moderate	Irritation and possible corneal damage due to the powders used in the product	Not Applicable

Skin	Material may be an irritant after repeated and prolonged exposure	Repeated	Mild	Irritation or possible allergi-cresponse.	Not Applicable
Inhalation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	Material is probably not harmful if swallowed	Not Applicable	Mild	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Potential Environmental Effects Do not allow entering sewers/ surface or ground water.

SECTION 4: FIRST AID MEASURES

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Rinse opened eye for several minutes under running water. If symptoms persist consult physician	Not Applicable	Not Applicable
Skin	Immediately wash with soap and water and rinse thoroughly.	Not Applicable	Not Applicable
Inhalation	Supply fresh air, consult physician if symptoms persist.	Not Applicable	Not Applicable
Ingestion	Rinse mouth out and then drink plenty of water. If symptoms persist consult physician.	Not Applicable	Not Applicable

SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

Flashpoint Method: Not Applicable
 Flammable (Explosive) Limits in Air
 LEL: Not Applicable UEL: Not Applicable
 Auto ignition Temperature: Not Applicable.
 Flame Propagation or Burning Rate (for Solids) Not Applicable
 Properties Contributing to Fire Intensity: Not Applicable
 Flammability Classification: Not Applicable
 Other: Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing

Evacuation Procedures: Not Applicable

Special Instructions: Not Applicable

Reporting Requirements: Not Applicable

SECTION 7: HANDLING AND STORAGE

Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.

Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a dry area. Store away from food and beverages.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Workplace exposure limits: No data available.

Individual Protection Measures	Personal Protective Equipment for Normal Use	Personal Protective Equipment for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product.	Not Applicable
Inhalation	Not Required	Not Applicable
Body Protection	Protective work clothing	Not Applicable
Occupational Exposure Limits		Not Applicable
Engineering Controls		Not Applicable

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Information on basic physical and chemical properties

Appearance:	white powder
Normal Physical State:	Dry powder.
Melting Point:	Not Applicable
Specific Gravity	Not Available
Solubility in Water	Partially soluble.
pH	Not Available

Vapor Pressure (mm Hg)	Not Applicable
Vapor Density (AIR=1)	Not Applicable
Evaporation Rate (Butyl Acetate =1)	Not Applicable
Flashpoint Method	Not Applicable
Flammable (Explosive) Limits in Air	
LEL	Not Available
UEL	Not Available
Autoignition Temperature	Not Available
Other	Not Available

SECTION 10: STABILITY AND REACTIVITY

Incompatibility (Materials to Avoid): Strong acids, strong oxidizing agents.

Hazardous Products Produced During Decomposition: Oxides of Zinc.

Hazardous Polymerization: May Not Occur

Conditions to Avoid: None known

Stability: Stable

Conditions to Avoid: None known

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Not Applicable

Emergency Overview: Material may be mildly irritating to eyes.

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material may cause slight transient (temporary) irritation.	Single & Repeated	Moderate	Irritation and possible corneal damage due to the powders used in the product	Not Applicable
Skin	Material may be an irritant after repeated and prolonged exposure	Repeated	Mild	Irritation or possible allergi-cresponse.	Not Applicable

Inhalation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	Material is probably not harmful if swallowed	Not Applicable	Mild	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Medical Conditions Aggravated by Exposure Open sores and wounds of the skin.

SECTION 12: ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water streams or sewage system. Also poisonous for fish and plankton in water bodies.

SECTION 13: DISPOSAL CONSIDERATION

Regulations: Must not be disposed of together with household garbage. 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

Regulated for Shipping: No.

Not Regulated

DOT Shipping Name:

Not Regulated

Packing Group:

Not Applicable

Does Change in Quantities, packaging, or shipment method change product classification? No

DOT Hazard Class:

Not Applicable

UN Number:

Not Applicable

SECTION 15: REGULATORY INFORMATION

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

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

Other: Not Applicable

SECTION 16: OTHER INFORMATION

Changes in content as per regulations – GHS classification

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odor Safety Factor

TLV: Threshold Limit Value

LOD: Limit of Detection

OTV: Odor Threshold Value

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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1.1. Product identifier

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:

COMPONENTS Powder	C.A.S.	% by Wt
Eugenol	97-53-0	> 90 %
Accelerator*	—	(trade secret*)

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

SECTION 3: HAZARDS IDENTIFICATION

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material may cause slight transient (temporary) irritation.	Single & Repeated	Moderate	Irritation and possible corneal damage due to the powders used in the product	Not Applicable

Skin	Material may be an irritant after repeated and prolonged exposure	Repeated	Mild	Irritation or possible allergi-cresponse.	Not Applicable
Inhalation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	Material is probably not harmful if swallowed	Not Applicable	Mild	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Potential Environmental Effects Do not allow entering sewers/ surface or ground water.

SECTION 4: FIRST AID MEASURES

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Rinse opened eye for several minutes under running water. If symptoms persist consult physician	Not Applicable	Not Applicable

Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.

SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

Flashpoint Method: Not Applicable
 Flammable (Explosive) Limits in Air
 LEL: Not Applicable UEL: Not Applicable
 Auto ignition Temperature: Not Applicable.
 Flame Propagation or Burning Rate (for Solids) Not Applicable
 Properties Contributing to Fire Intensity: Not Applicable
 Flammability Classification: Not Applicable
 Other: Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing
 Evacuation Procedures: Not Applicable
 Special Instructions: Not Applicable
 Reporting Requirements: Not Applicable

SECTION 7: HANDLING AND STORAGE

Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.

Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a dry area. Store away from food and beverages.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Workplace exposure limits: No data available.

Individual Protection Measures	Personal Protective Equipment for Normal Use	Personal Protective Equipment for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product.	Not Applicable
Inhalation	Not Required	Not Applicable
Body Protection	Protective work clothing	Not Applicable
Occupational Exposure Limits		Not Applicable
Engineering Controls		Not Applicable

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance:	Colorless or pale yellow liquid.
Normal Physical State:	Liquid.
Melting Point:	not available
Solubility in Water	Insoluble
pH	Not Available
Vapor Density (AIR=1)	Not Applicable
Evaporation Rate (Butyl Acetate =1)	Not Applicable
Flashpoint Method	Not Applicable
Flammable (Explosive) Limits in Air	
LEL	Not Available
UEL	Not Available
Autoignition Temperature	Not Available
Other	Not Available

SECTION 10: STABILITY AND REACTIVITY

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Products Produced During Decomposition: Forms carbon monoxide and/or carbon dioxide.

Hazardous Polymerization: May Not Occur

Conditions to Avoid: None known

Stability: Stable

Conditions to Avoid: None known

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements:

Emergency Overview: Material may be mildly irritating to eyes.

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material may cause slight transient (temporary) irritation.	Single & Repeated	Moderate	Irritation and possible corneal damage due to the powders used in the product	Not Applicable
Skin	Material may be an irritant after repeated and prolonged exposure	Repeated	Mild	Irritation or possible allergi-cresponse.	Not Applicable

SECTION 12: ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water streams or sewage system. Also poisonous for fish and plankton in water bodies.

SECTION 13: DISPOSAL CONSIDERATION

Regulations: Must not be disposed of together with household garbage. 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

Regulated for Shipping: No.	Not Regulated
DOT Shipping Name:	Not Regulated
Packing Group:	Not Applicable
Does Change in Quantities, packaging, or shipment method change product classification? No	
DOT Hazard Class:	Not Applicable
UN Number:	Not Applicable

SECTION 15: REGULATORY INFORMATION

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

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

Other: Not Applicable

SECTION 16: OTHER INFORMATION

Changes in content as per regulations – GHS classification

H315: Causes skin irritation.

H317: May cause an allergic skin reaction. H319 : Causes serious eye irritation

H335: May cause respiratory irritation.

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.