


SAFETY DATA SHEET

VioSeal Paste A

SECTION 1. IDENTIFICATION

Product Name VioSeal Paste A
Identified uses root canal filling material. For dental professionals only.
Supplier 
 SPIDENT Co.,Ltd.
Contact Person www.spident.co.kr
Manufacturer 203&312, Korea Industrial Complex, 722, Gojan-Dong, Namdong-Gu, Incheon, Korea 405-821
 Tel : +82) 32-821-0071
 Fax : +82) 32-821-0074

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Classification	Skin Sensitization	1
	Eye Irritation	2A
	Respiration-Sensitization	1
GHS Pictogram		
Signal Word	Warning	
Hazard Statements	H315	May cause skin irritation
	H317	May cause an allergic skin reaction.
	H319	May cause serious eye irritation.
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements	Prevention	
	P261	Avoid breathing vapor.
	P264	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P272	
	P280	Wear protective gloves and eye protection
	P284	Wear respiratory protection.
	Response	
	P302+P352	If on skin, wash with plenty of soap and water.
	P304+P340	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P321	Specific treatment reference to supplemental first aid instruction. Manufacturer/ supplier or the competent

		authority may specify a cleansing agent if appropriate.
	P337+P313	IF eye irritation persists: Get medical advice/attention.
	P342+P311	IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
	Storage	
	P403-P233	Store in a well-ventilated place. Keep container tightly closed.
	Disposal	
	P501	Dispose of contents/container to in accordance with local/regional/national/international regulations to be specified. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EC No.	% by Wt
Zirconium Oxide	1314-23-4	215-227-2	20~30
Calcium Oxide	1305-78-8	215-138-9	10~20

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

General Information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once.

Ingestion

Try to induce vomiting. Get medical attention if any discomfort continues.

Skin Contact

Wash the skin immediately with soap and water.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

Most important symptoms and effects, both acute and delayed

Ingestion

Slightly irritating. (DIGESTIVE SYSTEM.)

Skin Contact

Slightly irritating. May cause sensitization by skin contact.

Eye Contact

Slightly Irritating.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

CAUTION! First aid personnel must be aware of own risk during rescue! Wear suitable protective clothing.

SECTION 5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)

Not available.

Flammability Limit - Lower(%)

Not available.

Flammability Limit - Upper(%)

Not available.

Flash point (°C)

Not available.

Extinguishing Media

Fire can be extinguished using: Foam. Carbon dioxide or dry powder.

Specific Hazards

When heated and in case of fire, irritating vapors/gases may be formed.

Special Fire Fighting Procedures

Avoid breathing fire vapors.

Protective Equipment For Fire-Fighters

Wear full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions

Do not allow to enter drains, sewers or watercourses.

Spill Clean Up Methods

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

Reference to other sections

For personal protection, see section 8.

SECTION 7. HANDLING AND STORAGE

Handling

All handling to take place in well-ventilated area.

Storage

Store in a cool, dark place (0-25°C, 32-77°F). Keep away from heat, direct sunlight, sparks and open flames.

Storage Class

Chemical storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

In case of inadequate ventilation use suitable respirator.

Hand Protection

Wear protective gloves.

Eye Protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash

promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin

cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Paste	Paste
Color	Yellow White
Odor	No information available.
Solubility	No information available.
Initial boiling point and boiling range	Not available.
Melting point (°C)	Not available.
Relative density	1.9
Vapor density (air=1)	Not available.
Vapor pressure	Not available.
Evaporation rate	Not available.
pH-Value , Conc. Solution	7
pH-Value, Diluted Solution	Not available.
Viscosity	Not available.
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not available.
Odour Threshold, Upper	Not available.
Flash point	Not available.
Auto Ignition Temperature (°C)	Not available.
Flammability Limit - Lower(%)	Not available.
Flammability Limit - Upper(%)	Not available.
Partition Coefficient (N-Octanol/Water)	Not available.
Explosive properties	Not available.
Other Flammability	Not available.
Oxidising properties	Not available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity

May polymerise.

Stability

Stable under normal temperature conditions and recommended use.

Hazardous reactions

Not available.

Conditions To Avoid

Keep away from heat, sparks and open flame. Protect against direct sunlight.

Materials To Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

Toxic gases are generated when heated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Not available.

Systemic toxicity test:

No biological harm (tested with mice)

Oral mucous irritant test:

Redness, edema have not been detected (tested with hamsters)

Skin Corrosion/Irritation:

Slightly irritating.

Serious eye damage/irritation:

Slightly Irritating.

Respiratory or skin sensitisation:

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitisation

May cause sensitization by skin contact.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

IARC Carcinogenicity

Not listed

NTP - Carcinogenicity

Not listed.

OSHA - Carcinogenicity

Not listed.

Reproductive Toxicity:

Not available.

Specific target organ toxicity - single exposure:

STOT - Single exposure

Not available.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Not available.

Aspiration hazard:

Viscosity

Not available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

No data available.

Degradability

No data available.

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Mobility:

No information available.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14. TRANSPORT INFORMATION

UN No. (DOT/TDG)	N/A
UN No. (IMDG Code)	N/A
UN No. (ICAO TI/IATA DGR)	N/A
Proper Shipping Name	Not applicable.
Hazard Class	No classification noted.
Hazard Label	No DOT label requirement noted
IMDG Class	Not applicable.
ICAO Class	Not applicable.
Transport Labels	No transport warning sign required.
Packing Group	Not applicable.
Environmentally Hazardous Substance	Not applicable
/Marine Pollutant	
Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes	Not applicable.

SECTION 15. REGULATORY INFORMATION

Follow the regulations of the KFDA
(Korea food & Drug Administration)

Follow the regulations of the CE
(Communaute Europeenne)

SECTION 16. OTHER INFORMATION

Date

2016/10/24(Rev.1)

2018/3/22 (Rev.2)

SAFETY DATA SHEET


VioSeal Paste B

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Product Name VioSeal Paste B
Identified uses Temporary cement. For dental professionals only.
Supplier

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Contact Person www.spident.co.kr
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 Korea 405-821
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Ingredient	CAS No.	EC No.	% by Wt
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Zirconium Oxide	1314-23-4	215-227-2	20~30

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Flash point (°C)

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Extinguishing Media

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Vapor pressure	Not available.
Evaporation rate	Not available.
pH-Value , Conc. Solution	7
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Viscosity	Not available.
Decomposition temperature (°C)	Not available.
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Flammability Limit - Lower(%)	Not available.
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Carcinogenicity:

IARC Carcinogenicity

Not listed

NTP - Carcinogenicity

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Degradability

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Bioaccumulative potential

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Partition coefficient

Not available.

Mobility:

No information available.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS
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Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14. TRANSPORT INFORMATION
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UN No. (DOT/TDG)	N/A
UN No. (IMDG Code)	N/A
UN No. (ICAO TI/IATA DGR)	N/A
Proper Shipping Name	Not applicable.
Hazard Class	No classification noted.
Hazard Label	No DOT label requirement noted
IMDG Class	Not applicable.
ICAO Class	Not applicable.
Transport Labels	No transport warning sign required.
Packing Group	Not applicable.
Environmentally Hazardous Substance	Not applicable
/Marine Pollutant	
Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes	Not applicable.

SECTION 15. REGULATORY INFORMATION

Follow the regulations of the KFDA

(Korea food & Drug Administration)

Follow the regulations of the CE

(Communaute Europeenne)

SECTION 16. OTHER INFORMATION

Revision Comments

This is first issue.

Revision Date

2018/3/22