Pulp Canal Sealer™ Liquid, Pulp Canal Sealer™ EWT Liquid

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)
Revision date: 6/23/2026 Supersedes: 1/5/2024

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Pulp Canal Sealer™ Liquid, Pulp Canal Sealer™ EWT Liquid

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Dental product: Endodontic Obturation Systems and Fill Products
Restrictions on use : None known

1.4. Supplier's details

Manufacturer
Kerr Italia, S.r.l.
Via Passanti, 174
Scafati (SA) 84018, Italy
T +39 081 850 3511

Distributor
Kerr Corporation
1889 W. Mission Boulevard
Pomona, CA 91766
USA
T 1-800-841-1428 (Customer Service)

1.5. Emergency phone number

Emergency number : (Chemical Spills, Leaks, Fire, Exposure or Accident only): CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation, Category 2A	H319	Causes serious eye irritation.
Skin sensitization, Category 1B	H317	May cause an allergic skin reaction.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
Precautionary statements (GHS US) : P261 - Avoid breathing mist, vapors.
P264 - Wash hands thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear eye protection, protective gloves, protective clothing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P302+P352 - If on skin: Wash with plenty of soap and water.
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents and container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

Mixtures

Name	Product identifier	Conc. (% w/w)
Eugenol	CAS-No.: 97-53-0	65-85
Dimer rosin	CAS-No.: 65997-05-9	5-10

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Move the affected person to fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth out with water. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Inhalation : May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin : May cause an allergic skin reaction.
Eyes : May cause moderate irritation, including burning sensation, tearing, redness or swelling.
Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms : None known.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

Fire hazard : This product is not classified as flammable or combustible.

Explosion hazard : Prolonged exposure to fire may cause containers to rupture/explode.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not touch or walk on the spilled product.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Avoid contact with eyes, skin and clothing. Avoid breathing mist, vapors. Ventilate spillage area.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Do not touch or walk on the spilled product.

Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Avoid breathing mist, vapors. Ensure adequate ventilation. Keep container closed when not in use.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight. Protect from physical damage. Keep container tightly closed.

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SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize mist and/or vapor concentrations.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:

Wear protective gloves.

Eye protection:

Wear safety goggles or other eye protection to prevent eye contact.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Yellow liquid.
Color	:	Yellow
Odor	:	Characteristic Eugenol
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	-10 °C (14°F)
Boiling point	:	254 °C (489.2°F)
Flash point	:	124 °C (255.2°F)
Flammability (solid, gas)	:	Non flammable.
Vapor pressure	:	0.04 hPa (25°C/ 77°F)
Relative vapor density at 20°C	:	0.01 mmHg@ 20°C (68°F)
Relative density	:	1.07
Solubility	:	Soluble in ethanol. Acetone. Organic solvents.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	10 cP (20°C/ 68°F)
Explosion limits	:	No data available
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content : 80 %

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SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid high temperatures.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Dimer rosin (65997-05-9)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Eugenol (97-53-0)	
LD50 oral rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 2.6 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Eugenol (97-53-0)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Eugenol (97-53-0)	
NOAEL (subchronic,oral,animal/male,90 days)	≥ 900 mg/kg body weight (mouse)
NOAEL (subchronic,oral,animal/female,90 days)	450 mg/kg body weight (mouse)

Aspiration hazard : Not classified

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Inhalation	:	May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	:	May cause an allergic skin reaction.
Eyes	:	May cause moderate irritation, including burning sensation, tearing, redness or swelling.
Ingestion	:	May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	:	None known.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	:	Toxic to aquatic life. Avoid release to the environment.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified
Hazardous to the aquatic environment, long–term (chronic)	:	Not classified

Dimer rosin (65997-05-9)	
LC50 - Fish [1]	5.4 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	1.6 mg/l Daphnia magna (Water flea)
ErC50 algae	39.6 mg/l Pseudokirchneriella subcapitata

Eugenol (97-53-0)	
LC50 - Fish [1]	13 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	1.05 mg/l Daphnia magna (Water flea)
ErC50 algae	24 mg/l

12.2. Persistence and degradability

Pulp Canal Sealer™ Liquid, Pulp Canal Sealer™ EWT Liquid	
Persistence and degradability	Not rapidly degradable

Dimer rosin (65997-05-9)	
Persistence and degradability	Rapidly degradable

Eugenol (97-53-0)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	:	Not classified
Fluorinated greenhouse gases	:	No

SECTION 13 Disposal considerations

Waste treatment methods	:	Dispose of in accordance with applicable federal, state, and local regulations.
Sewage disposal recommendations	:	Do not dispose of waste into sewer. Dispose in a safe manner in accordance with local/national regulations.

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SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

Pulp Canal Sealer™ Liquid, Pulp Canal Sealer™ EWT Liquid	
SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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15.2. International regulations

CANADA

Dimer rosin (65997-05-9)

Listed on the Canadian DSL (Domestic Substances List)

Eugenol (97-53-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Revision date : 6/23/2026

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents.

Full text of hazard classes and H-statements	
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

Indication of changes:
New format.

Safety Data Sheet (SDS), USA

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.

Signature Manifest

Document Number: DC-SDS-000774 **Revision:** 1

Title: Pulp Canal Sealer™ Liquid, Pulp Canal Sealer™ EWT Liquid

Effective Date: 10 Aug 2026

All dates and times are in Pacific Standard Time.

2026 Apr Batch US Canada English Endo SDS

01. Collaboration (SDS Admin & Approvers)

Name/Signature	Title	Date	Meaning/Reason
Holly Cheeseman (HOLLY.CHEESEMAN)	Lab Manager	31 Jul 2026, 02:31:45 PM	Complete

02. Approve (SDS Approvers)

Name/Signature	Title	Date	Meaning/Reason
Patricia Becker (PATRICIA.BECKER)	EH&S Manager	03 Aug 2026, 05:15:19 AM	Approved
Pamela Pummill (PAMELA.PUMMILL)	ASSOCIATE RA	03 Aug 2026, 11:49:05 AM	Approved
Grace Huang (GRACE.HUANG)	Director	07 Aug 2026, 02:41:59 PM	Approved
Holly Cheeseman (HOLLY.CHEESEMAN)	Lab Manager	10 Aug 2026, 08:10:43 AM	Approved

03. Oracle (SDS Section 14 Updated - DOC CONTROL)

Name/Signature	Title	Date	Meaning/Reason
Holly Cheeseman (HOLLY.CHEESEMAN)	Lab Manager	10 Aug 2026, 08:11:03 AM	Reviewed

04. Web Publishing & Closure (SDS Admin)

Name/Signature	Title	Date	Meaning/Reason
Carlos Aloise (CARLOS.ALOISE)	DIRECTOR PRODUCT DEVELOPMENT	10 Aug 2026, 02:23:41 PM	Approved

05. Notification (Distribution List)

Name/Signature	Title	Date	Meaning/Reason
Alessandra Bufo (ALESSANDRA.BUFO)		10 Aug 2026, 02:23:42 PM	Email Sent
Carlos Aloise (CARLOS.ALOISE)	DIRECTOR PRODUCT DEVELOPMENT	10 Aug 2026, 02:23:42 PM	Email Sent
Holly Cheeseman (HOLLY.CHEESEMAN)	Lab Manager	10 Aug 2026, 02:23:42 PM	Email Sent
Katerina Baresova (KATERINA.BARESOVA)		10 Aug 2026, 02:23:42 PM	Email Sent
Ruggero Alzetta (RUGGERO.ALZETTA)		10 Aug 2026, 02:23:42 PM	Email Sent
Sandra Capurso (SANDRA.CAPURSO)		10 Aug 2026, 02:23:42 PM	Email Sent