

CRCS Calciobiotic Root Canal Sealer Liquid

Revision Date: September 2014

Internal Document Number: 48287A

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Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: CRCS Calciobiotic Root Canal Sealer (Liquid)**Product Code(s):** H03534, H03535, 50007635, 3-CL001, 40002240, 3-P02139**Relevant identified uses of the mixture and uses advised against:** CRCS Liquid is intended to be mixed with a powder component and used in conjunction with Gutta Percha Points for the sealing of root canals.**Synonyms:** S-1386, CRCS**Manufacturer** 

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Copies of this SDS can be found at www.coltene.com

Section 2: HAZARDS IDENTIFICATION

Classification: Serious Eye Irritant Category 2, Skin Sensitizer Category 1, Flammable Liquid Category 4**Appearance:** Transparent, Yellow Liquid**Contains:** Eugenol, Eucalyptol**Route(s) of Exposure:** Ingestion, Dermal (skin/eyes), Inhalation (vapors)**Labeling Elements:**

Hazard Category	Signal Word:	Hazard Statements
Serious Eye Irritant / Category 2	Warning	Cause serious eye irritation
Skin Sensitizer / Category 1		May cause allergic skin reaction
Flammable Liquid / Category 4		Combustible liquid

**Prevention:**

P264 + P280+
Wash hands thoroughly after handling. Wear eye protection. Keep away from flames and hot surfaces. – No smoking.

Response:

P305 + P351 + P338 + P337 + P313 If in eyes: 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. In case of fire: Use carbon dioxide, foam, or dry chemical to extinguish.

Storage:

Store in a dry, well-ventilated place. Keep cool. Keep locked up.

Disposal:

P501 Dispose of contents/container in accordance with federal, state and local regulations

PBT/vPvB Assessment: This product does not contain persistent, bioaccumulative and toxic chemicals (PBT's) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB's).**Other Known Hazards:** none known.

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS	EC number	Percent (w/w%)
Eugenol	97-53-0	202-589-1	70
Eucalyptol (cineole)	470-82-6	207-431-5	30

Section 4: FIRST AID MEASURES

- Inhalation:** If affected by vapors, get to fresh air. If breathing is difficult, consult a physician. Aspiration of substantial amounts of irritant liquids in the lungs can be fatal – get immediate medical attention.
- Eyes:** Irrigate exposed eyes with copious amounts of room temperature water for at least 15 minutes. If irritation, pain, swelling, lacrimation, or photophobia persist, the patient should be seen in a health care facility.
- Skin:** Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician may need to examine the area if irritation or pain persists.
- Ingestion:** Give water to dilute and get medical attention.

Section 5: FIRE FIGHTING MEASURES

FLAMMABLE LIQUID: Flash Point = 157°F

Extinguishing Media: Use carbon dioxide, foam, or dry chemical to extinguish.

Specific Hazards Arising from the Chemical: None

Protective Equipment and Precautions for Firefighters: Standard protection for all firefighters stated in this subsection of the SDS text should include self-contained breathing apparatus (SCBA) and full firefighting turn-out gear (Bunker gear).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Use personal protection recommended in Section 8.

Methods for Containment and Clean-up: Ventilate contaminated area, remove all sources of ignition, stop or reduce discharge if it can be done safely.

Other Information: none noted

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: use with adequate ventilation, do not use near ignition sources.

Conditions for Safe Storage, Including Incompatibilities: store in a cool, dry location. .

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits:

Component:	Concentration:	NIOSH REL:	OSHA PEL:	IDLH:	AIHA WEEL	STEL's	Notation
EUGENOL, EUCALYPTOL	100 %w/w	none	none	none	none	none	none

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Appropriate Engineering Controls: sufficient exhaust & general ventilation should be provided to keep vapor concentration below recommended levels.

Personal Protective Equipment (Eyes and Face): wear safety goggles or face shield.

Personal Protective Equipment (Skin): wear protective gloves

Personal Protective Equipment (Respiratory): none required for well-ventilated areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent, Yellow Liquid	Viscosity:	No Data
Odor:	Faint	VOC:	No data
Odor Threshold:	No data	Boiling Point:	No data
pH:	No data	Solubility (H₂O):	insoluble
Melting Point:	Not applicable	Density:	No data
Specific Gravity:	1.027 @ 25°C	Evaporation Rate:	No data
Octanol / H₂O		Decomposition	
Coefficient (log K_{ow}):	No data	Temp:	No data
Molecular Weight:	No data	LFL:	No data
Auto Ignition:	No data	UFL:	No data
Flash Point:	157°F	Vapor Pressure:	No data
Vapor Density:	No data	Flammability Class:	No data

Section 10: STABILITY AND REACTIVITY

Chemical Stability: Chemically Stable

Possibility of Hazardous Reactions: This product is not known to be susceptible to chemical reactions that can result in undesirable effect(s).

Conditions to Avoid: None

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Carbon dioxide or carbon monoxide and smoke on combustion.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Ingestion, Dermal (skin/eyes), Inhalation (vapors)

Acute Effects:

Inhalation: Excessive inhalation of vapors can cause irritation of the respiratory tract, nausea, dizziness, or headache.

Eye Contact: Can cause severe irritation, tearing and redness, blurred vision.

Skin: Prolonged or repeated contact can cause irritation, defatting or dryness of skin, dermatitis.

Ingestion: Can cause serious health effects including nausea, vomiting, gastrointestinal irritation.

Sensitization: May cause skin sensitization.

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Carcinogenicity: Does not contain any substances classified as carcinogens by NTP, ACGIH, IARC or OSHA

Mutagenicity: Not mutagenic

Reproductive Toxicity: None

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: None

Persistence / Degradability: This material degrades rapidly in the environment

Bioaccumulative Potential: will not bioconcentrate in fish and aquatic organisms nor will it adsorb to sediment and suspended organic matter.

Mobility in Soil: moderate to high mobility in soil

Other Adverse Effects: none known.

This product does not contain persistent, bioaccumulative and toxic chemicals (PBT's) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB's).

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with federal, state and local regulations.

Additional Disposal Considerations: Dispose if shelf-life has been exceeded.

Section 14: TRANSPORT INFORMATION

Agency	Proper Shipping Name	Technical Shipping Name	UN-No.	Hazard Class	Label
DOT	NOT HAZARDOUS FOR TRANSPORTATION AS PACKAGED.				
Sea Transport IMDG/GGV Sea					
Air Transport ICAO-Ti and IATA-DGR					

Section 15: REGULATORY INFORMATION

SARA Sections 302 and 304: This product does not contain Extremely Hazardous Substances (EHS) and is not subject to emergency planning requirements.

CERCLA: This product does not contain CERCLA Hazardous Substances and is not subject to reporting requirements.

SARA Section 313: Substances within this product are not required to be reported in accordance with SARA 313 or the substances within are exempt by rules for "de minimis concentrations of a toxic chemical in a mixture" §372.38(a).

International

Inventories:

US (TSCA): The components within this product are included on the TSCA Inventory of Chemical Substances

Canada (DSL): All ingredients are on the inventory or exempt from listing.

European Union (EINECS): All ingredients conform to the EU requirements.

Japan (ENCS): All other ingredients are on the inventory or exempt from listing.

Philippines (PICCS): All other ingredients are on the inventory or exempt from listing.

South Korea (KECL): All ingredients are on the Inventory or exempt from listing.

Australia (AICS): All ingredients are on the Inventory or exempt from listing.

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New Zealand (NZIoC): All ingredients are on the Inventory or exempt from listing.

China (IECSC): All ingredients are on the Inventory or exempt from listing.

The following components have been reviewed against state hazardous substances lists:**California Proposition 65:** There are no chemicals within this mixture on the Proposition 65 List.**Canadian Regulations require the inclusion of the following statements under "Regulatory Information":** This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**Section 16: OTHER INFORMATION****NFPA Ratings:**

Health: 2
 Fire: 2
 Reactivity: 0

HMIS Ratings:

Health: 2
 Fire: 2
 Reactivity: 0

(NFPA and HMIS Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe)

REVISION HISTORY

REVISION	DATE	ECN#	CHG BY	APPR BY	DESC. OF CHANGE
A	9/25/14	14400	TG	SBL	Updated MSDS to GHS/SDS Format. 48287 Revision A supersedes 48091 revision C.

The information and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof.

Coltène/Whaledent Inc., however, makes no representations as to the completeness of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability of their purposes prior to use. In no event will Coltène/Whaledent Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon information.