

1. Identification

Product name: Tubli-Seal™ Accelerator

Recommended use: Dental product: Endodontic Obturation Systems and Fill Products

Restrictions on use: Restricted to professional users

Manufacturer: Kerr Corporation
1717 W. Collins Ave.
Orange, CA 92867-5422 - U.S.A.
T 1-800-841-1428 (Customer Service)

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)

Issue date: 12/21/2020

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Not classified	Eye irritation Category 2 Skin sensitization, Category 1B

GHS US labeling:

Warning!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation	P261 - Avoid breathing dust, 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. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P302+P352 - If on skin: Wash with plenty of water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents or container to hazardous or

	special waste collection point, in accordance with local, regional, national and/or international regulation
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3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Eugenol	97-53-0	30-60
Thymol iodide	552-22-7	5-30

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to the fresh air. Get medical attention if symptoms occur.

Skin: Wash immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eyes: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Call a poison center or a doctor if you feel unwell.

Symptoms/effects: May cause moderate irritation to the eyes. May cause an allergic skin reaction. Ingestion may cause nausea, vomiting and diarrhea.

Immediate medical attention and special treatment, if necessary: Not required.

5. Fire-fighting measures

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

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible. On combustion releases: Carbon oxides (CO, CO₂). Halogenated compounds.

Special protective equipment and precautions for fire-fighters: Cool down the containers exposed to heat with a water spray. Prevent runoff from entering water courses, sewers and basements. Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Do not breathe dust. Do not breathe vapors. Ventilate area.

Methods and material for containment and cleaning up: Do not touch or walk on the spilled product. Absorb with an inert material and place in an appropriate waste disposal container. Avoid dust formation. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Avoid breathing dust, vapors. Ensure adequate ventilation.

Storage conditions: Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight. Keep only in original container. Keep container closed when not in use.

8. Exposure controls/personal protection

Exposure guidelines:

Eugenol	None established.
Thymol iodide	None established.

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear impervious gloves.

Eye protection: Use suitable eye protection. Chemical goggles or safety glasses

Skin and body protection: Wear suitable protective clothing

Respiratory protection: No respiratory protection needed under normal use conditions. 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.

9. Physical and chemical properties

Appearance: Paste.

Physical state	: Solid	Solubility	: Insoluble in water.
Color	: Amber	Partition coefficient n-octanol/water (Log Pow)	: No data available
Odor	: Aromatic	Auto-ignition temperature	: Not applicable
Odor threshold	: No data available	Decomposition temperature	: No data available
pH	: No data available	Viscosity, kinematic	: No data available
Melting point	: No data available	Viscosity, dynamic	: No data available
Freezing point	: Not applicable	Explosion limits	: Not applicable
Boiling point	: No data available	Explosive properties	: No data available
Flash point	: Not applicable	Oxidizing properties	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Non flammable.		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: > 1		

No additional information available

10. Stability and reactivity

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

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Avoid high temperatures.

Incompatible materials: Keep away from oxidizers, strong acids and strong bases.

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

11. Toxicological information

Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Skin: May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

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.

Carcinogenicity: Not classified

Eugenol: IARC 3 - Not classifiable;

Thymol iodide: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Germ cell mutagenicity: Not classified

Reproductive toxicity: Not classified

Numerical measures of toxicity:

The following are the toxicity values for the components:

Eugenol: Oral rat LD50- > 2000 mg/kg;

Thymol iodide: Oral rat LD50- > 2000 mg/kg;

Skin corrosion/irritation Not classified

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitization May cause an allergic skin reaction.

STOT-single exposure Not classified

STOT-repeated exposure Not classified

12. Ecological information

Ecology - general: Toxic to aquatic life.

Ecotoxicity:

Eugenol 13 mg/L Fish LC50; 1.13 mg/L Daphnia EC50; 24 mg/L Algae ErC50

Thymol iodide 100 mg/L Daphnia EC50

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

14. Transport information

Department of Transportation (DOT)

Not regulated for transport

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

15. Regulatory information

SARA Section 313 - Emission Reporting: Not subject to reporting requirements of the United States SARA Section 313

CERCLA Section 103:

This product is not subject to reporting under CERCLA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

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

INTERNATIONAL INVENTORIES

Australia AICS:	All the components are listed.
Canada DSL:	All the components are listed.
China IECSC:	One or more ingredient(s) are not listed
EU EINECS:	All the components are listed.
Japan ENCS:	One or more ingredient(s) are not listed
Korea KECL:	One or more ingredient(s) are not listed
New Zealand:	All the components are listed.
Philippines PICCS:	One or more ingredient(s) are not listed
Taiwan CSNN	One or more ingredient(s) are not listed

16. Other information

Revision date : 12/21/2020

NFPA	
NFPA health hazard:	2
NFPA fire hazard:	0
NFPA reactivity:	0

NOTICE

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.