

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name: Temp-Bond Base & Accelerator

Manufacturer: Kerr Corporation

SDS Expiry: 14 April 2026

Supplier Details: Henry Schein New Zealand
243-249 Bush Road, Rosedale, Auckland, 0632
PO Box 101 140, North Shore, Auckland 0745
Ph. 0800 808 855
www.henryschein.co.nz

Emergency Contacts: Poisons/Hazardous Chemical Info Centre –
0800POISON/0800764766 (24 Hours)
Phone 111 for Fire, Ambulance or Police

HSNO Class/Category: 6

HSNO Group Standard: Dental Products Subsidiary Hazard Group Standard 2020
HSR002558

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared – January 2024

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Temp-Bond Accelerator

Product Use: Dental product: Temporary cement

Manufacturer: Kerr Corporation
1717 W. Collins Ave.
Orange, CA 92867-5422
U.S.A.

Australian Supplier: Kerr Australia Pty Limited
Unit 6, 12 Mars Road
Lane Cove West, NSW 2066
Australia
Telephone no.: 1 800 643 603
Email general queries: kavokerr.orders@kavokerr.com
Email technical queries: safety@kavokerr.com

Poisons Information Helpline: 131126 (24 hours)

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

SDS Date of Preparation/Revision: April 14, 2021

Section 2. Hazards Identification

GHS Classification:

Eye Irritation Category 2

Skin Sensitization Category 1B

Label Elements:

Warning!



Hazard Phrases

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary Phrases:

P261 Avoid breathing dust.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves and eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical attention.

P363 Wash contaminated clothing before reuse.

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 attention.

P501 Dispose of contents and container in accordance with local and national regulations.

Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Eugenol	97-53-0	30-60%

Section 4. First Aid Measures

Inhalation: Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Flush skin thoroughly with water for several minutes. Get medical attention if irritation or rash occurs. Launder clothing before re-use.

Eye Contact: Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, acute and delayed: May cause moderate eye irritation. May cause skin sensitization.

Indication of immediate medical attention and special treatment, if needed: Immediate medical attention is not required.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Combustion may produce carbon oxides.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire-exposed containers with water.

Section 6: Accidental Release Measures

Personal precautions, Protective equipment, and Emergency procedures: Wear appropriate protective clothing and equipment. Avoid contact with eyes, skin and clothing. Avoid breathing dust from dried product.

Environmental Precautions: Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning up: For small spills, wipe up with a paper towel. For large spills, collect with an inert absorbent materials and place in appropriate containers for disposal.

Section 7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wear appropriate eye protection and gloves when handling (see Section 8). Avoid breathing dust from dried product. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area away from excessive heat. Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Chemical	Exposure Limit
Eugenol	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to minimize exposures levels.

Respiratory Protection None needed under normal use conditions. In operations where exposure levels are exceeded, an approved dust/mist respirator or supplied air respirator should be used. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Hand protection: Impervious gloves are recommended if contact is possible.

Eye Protection: Chemical safety goggles are recommended if contact is possible.

Skin Protection: Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

Hygiene measures: Suitable eye and skin washing facilities should be available in the work area.

Section 9. Physical and Chemical Properties

Appearance:	Amber paste	Odor:	Fatty acid
Odor Threshold:	Not available	pH:	Not available
Melting/Freezing Point:	Not available	Boiling Point/Range:	Not available
Flash Point:	Not flammable	Evaporation Rate:	Not available
Flammability: (Solid,	Not applicable	Flammability	LEL: Not applicable

Gas)		Limits:	UEL: Not applicable
Vapor Pressure:	Not available	Vapor Density:	Not available
Relative Density:	>1	Solubilities:	Insoluble in water
Partition Coefficient:	Not available	Autoignition	Not available
(N-Octanol/Water)		Temperature:	
Decomposition	Not available	Viscosity:	Not available
Temperature:			

Section 10. Stability and Reactivity

Reactivity: The product is not expected to be reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to avoid: Avoid excessive heat.

Incompatible Materials: None known.

Hazardous decomposition products: Thermal decomposition will produce carbon oxides.

Section 11. Toxicological Information

Potential Health Effects:

Inhalation: Inhalation of dust from dried product may cause respiratory tract irritation.

Skin Contact: Direct contact with the paste may cause an allergic skin reaction (sensitization).

Eye Contact: Direct contact will cause moderate eye irritation.

Ingestion: Swallowing large amounts of paste will cause gastrointestinal irritation.

Skin corrosion/irritation: This product is not expected to cause skin irritation.

Eye damage/ irritation: Based on Eugenol, this product is classified as an eye irritant.

Skin Sensitization: This product is expected to cause skin sensitization.

Respiratory Sensitization: No data available. This product is not expected to cause respiratory sensitization.

Germ Cell Mutagenicity: None of the components are germ cell mutagens.

Carcinogen: None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP or the EU CLP.

Developmental / Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental effects.

Specific Target Organ Toxicity (Single Exposure): No data available.

Specific Target Organ Toxicity (Repeated Exposure): No data available.

Aspiration Toxicity: Not an aspiration hazard.

Acute Toxicity Values:

Eugenol: Oral rat LD50: >2000 mg/kg

Section 12. Ecological Information

Toxicity:

Eugenol: 96 hr LC50 Zebra fish-13 mg/L, 48 hr EC50 Daphnia magna- 1.05-1.13 mg/L

This product is classified as toxic to the aquatic environment. Releases to the environment should be avoided.

Persistence and degradability: Eugenol: Readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Section 13. Disposal Considerations

Disposal: For unused product, dispose of in accordance with Federal and local regulations. For used Product, the waste solution must be characterized by the generator and disposed of in accordance with Federal and local regulations.

Container Disposal: Dispose of empty container in accordance with Federal and local regulations.

Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
ADG	None	Not Regulated	None	None	Not applicable
IMDG	None	Not Regulated	None	None	Not applicable
IATA/ICAO	None	Not Regulated	None	None	Not applicable

Special Precautions for User: None identified

Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

Hazchem Code: None

Section 15. Regulatory Information

Montreal Protocol (Ozone Depleting Substances): None present

The Stockholm Convention (Persistent Organic Pollutants): None present

The Rotterdam Convention (Prior Informed Consent): None present

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Eugenol is listed in Schedule 5 for containers with at least 5mL Eugenol (8mL total product.)

Australian AICS: This product is regulated by the Therapeutic Goods Administration (TGA) and therefore, is exempt from the AICS regulation.

Section 16. Other Information

Effective Date: April 14, 2021

Supersedes Date: August 24, 2018

Revision Summary: Section 1 – Updated contact information

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.

SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Temp-Bond Base

Product Use: Dental product: Temporary cement

Manufacturer: Kerr Corporation
1717 W. Collins Ave.
Orange, CA 92867-5422
U.S.A.

Australian Supplier: Kerr Australia Pty Limited
Unit 6, 12 Mars Road
Lane Cove West, NSW 2066
Australia
Telephone no.: 1 800 643 603
Email general queries: kavokerr.orders@kavokerr.com
Email technical queries: safety@kavokerr.com

Poisons Information Helpline: 131126 (24 hours)

Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):

CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

SDS Date of Preparation/Revision: April 13, 2021

Section 2. Hazards Identification

GHS Classification:

Not classified as hazardous under the Australian the Work Health and Safety Regulations.

Label Elements

None required

Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Zinc Oxide	1314-13-2	60-100%
Mineral Oil	8042-47-5	1-10%

Section 4. First Aid Measures

Inhalation: Move to fresh air. If respiratory irritation or breathing is difficult, get medical attention.

Skin Contact: Remove contaminated clothing. Wash with soap and water Get medical attention if irritation persists. Launder contaminated clothing before reuse.

Eye Contact: Flush eyes with water for several minutes. Get medical attention if irritation persist.

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, acute and delayed: May cause mild eye, skin and respiratory irritation.

Indication of immediate medical attention and special treatment, if needed: Immediate medical attention is not required.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Combustion may produce carbon and zinc oxides.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Hazchem Code: 2Z

Section 6: Accidental Release Measures

Personal precautions, Protective equipment, and Emergency procedures: Wear appropriate protective clothing and equipment. Avoid contact with eyes, skin and clothing. Avoid breathing dust from dried product.

Environmental Precautions: Avoid release to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning up: For small spills, wipe up with a paper towel. For large spills, collect with an inert absorbent materials and place in appropriate containers for disposal.

Section 7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wear appropriate eye protection and gloves when handling (see Section 8). Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area away from excessive heat. Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Chemical	Exposure Limit
Zinc Oxide	10 mg/m ³ TWA Australia WEL (as dust)
Mineral Oil	5 mg/m ³ TWA Australia WEL (as oil mist)

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.

Respiratory Protection None needed under normal use conditions. In operations where exposure levels are exceeded, an approved dust/mist respirator or supplied air respirator should be used. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Hand protection: Impervious gloves are recommended if contact is possible.

Eye Protection: Chemical safety goggles are recommended if contact is possible.

Skin Protection: Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

Hygiene measures: Suitable eye and skin washing facilities should be available in the work area.

Section 9. Physical and Chemical Properties

Appearance:	Paste	Odor:	Odorless
Odor Threshold:	Not available	pH:	Not available
Melting/Freezing Point:	Not available	Boiling Point/Range:	Not available
Flash Point:	Not flammable	Evaporation Rate:	Not available
Flammability: (Solid, Gas)	Not applicable	Flammability Limits:	LEL: Not applicable UEL: Not applicable
Vapor Pressure:	Not available	Vapor Density:	Not available
Relative Density:	Not available	Solubilities:	Insoluble in water
Partition Coefficient: (N-Octanol/Water)	Not available	Autoignition Temperature:	Not available
Decomposition Temperature:	Not available	Viscosity:	Not available

Section 10. Stability and Reactivity

Reactivity: The product is not expected to be reactive.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions to avoid: Avoid excessive heat.

Incompatible Materials: None known.

Hazardous decomposition products: Thermal decomposition will produce carbon and zinc oxides.

Section 11. Toxicological Information

Potential Health Effects:

Inhalation: No adverse effects are expected under normal use. Inhalation of vapors or mists may cause respiratory tract irritation with coughing and sneezing.

Skin Contact: May cause skin irritation. Prolonged contact may dry out the skin.

Eye Contact May cause eye irritation with redness and tearing.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin corrosion/irritation: May cause mechanical irritation. None of the components are irritating to rabbit skin.

Eye damage/ irritation: May cause mechanical irritation. None of the components are irritating or corrosive to rabbit eyes.

Skin Sensitization: No data available. Components are not skin sensitizers.

Respiratory Sensitization: No data available. This product is not expected to cause respiratory sensitization.

Germ Cell Mutagenicity: None of the components are germ cell mutagens.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP or the EU CLP.

Developmental / Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental effects.

Specific Target Organ Toxicity (Single Exposure): None of the components have been shown to cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure): No data available.

Aspiration Toxicity: Not an aspiration hazard.

Acute Toxicity Values: No toxicity data is available for the product.

Acute Toxicity Estimate (ATE): Oral: >2000, Inhalation: >5 mg/L/4 hr, Dermal: >2000 mg/kg

Zinc Oxide: Oral rat LD50 >2000 mg/kg, Inhalation rat LC50 >5.7 mg/L, Dermal rat LD50 >2000 mg/kg

Mineral Oil: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >5 mg/L, Dermal rabbit LD50 >2000 mg/kg

Section 12. Ecological Information

Toxicity: No toxicity data available for product.

Zinc Oxide: 96 hr LC50 *Oncorhynchus kisutch* 727 ug/L, 48 hr EC50 *daphnia magna* 860 ug/L, 72 hr

NOEC *Pseudokirchneriella subcapitata* 5.4 ug/L

Mineral Oil: 96 hr LL50 *Oncorhynchus mykiss* >100 mg/L, 48 hr LL50 *daphnia magna* >100 mg/L

This product is very toxic to aquatic life with long lasting effects.

Persistence and degradability: Mineral oil is inherently biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Section 13. Disposal Considerations

Disposal: For unused product, dispose of in accordance with Federal and local regulations. For used Product, the waste solution must be characterized by the generator and disposed of in accordance with Federal and local regulations.

Container Disposal: Dispose of empty container in accordance with Federal and local regulations.

Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
ADG	UN3077	Environmentally Hazardous Substance, Solid, n.o.s. (zinc oxide).	9	III	Yes
IMDG	UN3077	Environmentally Hazardous Substance, Solid, n.o.s. (zinc oxide).	9	II	Yes
IATA/ICAO	UN3077	Environmentally Hazardous Substance, Solid, n.o.s. (zinc oxide).	9	III	Yes

Special Precautions for User: None identified

Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code:): Not applicable – product is transported only in packaged form.

Hazchem Code: 2Z

Section 15. Regulatory Information

Montreal Protocol (Ozone Depleting Substances): None present

The Stockholm Convention (Persistent Organic Pollutants): None present

The Rotterdam Convention (Prior Informed Consent): None present

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not applicable

Australian AICS: This product is regulated by the Therapeutic Goods Administration (TGA) and therefore, is exempt from the AICS regulation.

Section 16. Other Information

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