

SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Temp-Bond NE 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 10, 112-118 Talavera Road
North Ryde, NSW 2113
Australia
Telephone no.: 1 800 643 603
Email general queries: kavokerr.orders@kavokerr.com
Email technical queries: safety@kavokerr.com

Information Phone Number: 1-800-KERR-123 (in the US)

Poisons Information Helpline: 131126 (24 hours)

SDS Date of Preparation/Revision: August 24, 2018

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

Effective Date: August 24, 2018

Supersedes Date: February 9, 2015

Revision Summary: All Sections – New SDS format – Rev0



Section 1 – Updated contact information – Rev1

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