

SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Premise

Product Use: Dental product: Composite

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 21, 2018

Section 2. Hazards Identification

GHS Classification:

Skin Sensitization Category 1

Label Elements:

Warning!



Hazard Phrases

H317 May cause an allergic skin reaction.

Precautionary Phrases:

P261 Avoid breathing dust.

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

P280 Wear protective gloves.

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.

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

Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Barium aluminoborosilicate	65997-17-3	<70%
Nanosilica	7631-86-9	<60%
Fumed silica	68909-20-6 112945-52-5 67762-90-7	<20%
Urethane dimethacrylate	72869-86-4	<20%
Triethylene glycol dimethacrylate	109-16-0	<5%
1,6-Hexanediol diacrylate	13048-33-4	<5%

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: Contact with dust from dried paste may cause 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.

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
Barium aluminoborosilicate (as synthetic vitreous fibers, continuous filament glass fibers)	5 mg/m3 TWA ACGIH TLV (inhalable)
Nanosilica	2 mg/m3 TWA AU OEL (respirable dust)
Fumed silica	None Established
Urethane dimethacrylate	None Established
Triethylene glycol dimethacrylate	None Established
1,6-Hexanediol diacrylate	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels 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 glasses or 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:	Colored paste	Odor:	Fruity ester-like
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:	2.5	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 under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to avoid: Avoid excessive heat and direct sunlight. Heat can cause polymerization with rapid release of energy.

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 with dust from dried product may cause 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: This product is not expected to cause skin irritation.

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:

Barium aluminoborosilicate: Oral rat LD50: >2000 mg/kg

Nanosilica: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >0.14 mg/L/4hr, Skin rabbit LD50: >5000 mg/kg

Fumed silica: Not toxic

Urethane dimethacrylate: Oral rat LD50: >5000 mg/kg, Skin rat LD50: >2000 mg/kg

Triethylene glycol dimethacrylate: Oral rat LD50: 8700 mg/kg

1,6-Hexanediol diacrylate: Oral rat LD50: >5000 mg/kg, Skin rabbit LD50: 3650 mg/kg.

Section 12. Ecological Information

Toxicity:

Urethane dimethacrylate: 96hr LC50 Zebra fish: 10.1 mg/L, 48hr EC50 Daphnia magna: >1.2 mg/L

Triethylene glycol dimethacrylate: 96hr LC50 Zebra fish: 16.4 mg/L, 72 hr EC50 Pseudokirchneriella subcapitata: 72.8 mg/L

1,6-Hexanediol diacrylate: 96hr LC50 Ide fish: 4.6-10 mg/L, 48 hr EC50 Daphnia magna: 2.6 mg/L

This product is expected to be harmful to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

Persistence and degradability: Urethane dimethacrylate: Not readily biodegradable- 22% in 28 days. Triethylene glycol dimethacrylate: Readily biodegradable – 85% in 28 days. 1,6-Hexanediol diacrylate: Readily biodegradable-60-70% in 28 days in water screening tests.

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): None present

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 21, 2018
Supersedes Date: April 2, 2015
Revision Summary: All Sections – New SDS format – Rev0
Section 1 – Updated contact information – Rev1

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.