

SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Nexus Universal and Nexus Universal Chroma (all colors)

Product Use: Dental Cement

Manufacturer: Kerr Corporation
200 S. Kraemer Blvd.
Brea, CA 92821
U.S.A.

Information Phone Number: 1-800-KERR-123

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: 07/09/19

Section 2. Hazards Identification

GHS / HAZCOM 2012 Classification:

Skin Irritation Category 2

Skin Sensitization Category 1

Eye Irritation Category 2A

Warning!



Hazard Phrases

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Prevention:

Avoid breathing mist, vapors, or spray.

Wash exposed skin thoroughly after handling.

Wear protective gloves and eye protection.

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

Response:

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash before reuse.

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 attention.

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

Other hazards: None

Section 3. Composition/In-formation on Ingredients

Component	CAS No.	Amount
Non-hazardous Ingredients	Mixture	Balance
Bisphenol A Diglycidyl Methacrylate	1565-94-2	5-10%
Proprietary Methacrylate	Proprietary	1-5%
Triethylene Glycol Dimethacrylate	109-16-0	1-5%
Urethane Dimethacrylate	72869-86-4	1-3%
Ethoxylated Bisphenol A Dimethacrylate	41637-38-1	1-3%
Poly(oxy-1,2-ethanediyl), alpha,-hydro-omega-[(1-oxo-2-propen-1-yl)oxy]- ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol	28961-43-5	1-3%

Section 4. First Aid Measures

Inhalation: Move to fresh air if symptoms occur and seek medical attention if symptoms persist.

Skin Contact: Take off contaminated clothing. Rinse skin with plenty of water. Get medical attention if irritation develops and persists.

Eye Contact: Hold eye open and rinse slowly and gently with water for several minutes. Remove contact lenses, if present, then continue rinsing. Get medical attention if irritation persists.

Ingestion: If swallowed, rinse mouth with water. If symptoms develop, get medical attention.

Most Important symptoms and effects, both acute and delayed: Causes moderate to severe eye irritation. Skin contact may cause irritation. May cause allergic skin reaction (sensitization.) Ingestion may cause may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Section 5. Fire Fighting Measures

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

Specific Hazards Arising from the Chemical: Product is not classified as flammable or combustible but may burn under fire conditions. Combustion may release oxides of carbon and acrylates.

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.

Section 6: Accidental Release Measures

Personal precautions, Protective equipment, and Emergency procedures: Avoid contact with eyes. Avoid prolonged contact with skin and clothing. Wear appropriate protective clothing as described in Section 8. Ventilate the area.

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

Methods and Materials for Containment and Cleaning up: Scrape up or wipe up material and place in appropriate, labeled container for disposal.

Section 7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wear appropriate eye protection when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Keep containers closed when not in use. Do not reuse empty containers.

Empty containers retain product residues and may be hazardous. Do not flame cut, drill, weld, etc. on or near empty containers, even empty.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well ventilated area away from heat and oxidizers. Do not contaminate water, food or feed by storage.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Chemical	Exposure Limit
Non-hazardous Ingredients	None Established
Bisphenol A Diglycidyl Methacrylate	None Established
Proprietary Methacrylate	None Established
Triethylene Glycol Dimethacrylate	None Established
Urethane Dimethacrylate	None Established
Ethoxylated Bisphenol A Dimethacrylate	None Established
Poly(oxy-1,2-ethanediyl), alpha,-hydro-omega-[(1-oxo-2-propen-1-yl)oxy]- ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol	None Established

Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the exposure limits may be exceeded, mechanical ventilation such as local exhaust may be needed to minimize exposure. Use explosion proof electrical equipment and wiring where required.

Respiratory Protection: None under normal use conditions with adequate ventilation. For operations where the occupational exposure limits are exceeded, an approved respirator with a respirable dust cartridge or supplied air respirator is recommended. 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 such as butyl rubber or nitrile are recommended for operations which may result in prolonged or repeated skin contact.

Eye Protection: Splash proof goggles or safety glasses are recommended if eye contact is possible.

Skin Protection: Wear protective clothing if needed to avoid prolonged/ repeated skin contact. Contaminated clothing should be removed and laundered before re-use.

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

Other: None required under normal conditions of use.

Section 9. Physical and Chemical Properties

Appearance:	White or Colored Paste	Odor:	Acrylate
Odor Threshold:	Not determined	pH:	Not applicable
Melting/Freezing Point:	Not determined	Boiling Point/Range:	Not determined
Flash Point:	Not flammable	Evaporation Rate:	Not determined
Flammability: (Solid, Gas)	Not applicable	Flammability Limits:	LEL: Not applicable UEL: Not applicable
Vapor Pressure:	Not determined	Vapor Density:	Not determined
Relative Density:	Not determined	Solubilities:	Not soluble
Partition Coefficient: (N-Octanol/Water)	Not determined	Autoignition Temperature:	Not determined
Decomposition Temperature:	Not determined	Viscosity:	Not determined

Section 10. Stability and Reactivity

Reactivity: Not reactive at ambient temperatures.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: Not reactive.

Conditions to avoid: Excessive heat.

Incompatible Materials: Strong oxidizing agents, acids and strong reducing agents.

Hazardous decomposition products: Thermal decomposition will produce carbon monoxide, carbon dioxide, and acrylates.

Section 11. Toxicological Information

Potential Health Effects:

Inhalation: May cause slight irritation of the nose, throat and upper respiratory tract.

Skin Contact: Prolonged or repeated exposure may cause irritation. Individuals with a pre-existing sensitivity to acrylates may have an allergic reaction to this material. Allergic skin reaction may result in itching, redness, and hives.



Eye Contact: Direct contact may cause serious eye irritation. Eye damage is not expected.

Ingestion: Ingestion may cause gastrointestinal disturbances and central nervous system effects such as headache, dizziness, drowsiness and nausea.

Chronic Hazards: No chronic effects are known. Product is negative in mutagenicity tests is animals.

Medical Conditions Aggravated By Exposure: None currently known.

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

Acute Toxicity Values for Components:

Triethylene Glycol Dimethacrylate: LD50 Oral Rat >10,000 mg/kg
Urethane Dimethacrylate: LD50 Oral Rat >2000 mg/kg; LD50 Dermal Rat >13,200 mg/kg
Ethoxylated Bisphenol A Dimethacrylate: LD50 Oral Rat >2000 mg/kg; LD50 Dermal Rabbit >2000 mg/kg

Section 12. Ecological Information

This product is classified as Chronic Aquatic Toxicity Category 3 based on the GHS criteria for aquatic toxicity. Harmful to aquatic life with long lasting effects.

Toxicity: No toxicity data available for product.

Urethane Dimethacrylate: LC50 Danio rerio 10.1 mg/L/48 hr; LC50 Daphnia magna >1.2 mg/L/48 hr;
EC50 Desmodemus subspicatus >0.68 mg/L/72 hr
Ethoxylated Bisphenol A Dimethacrylate: LC50 Danio rerio 1.95 mg/l/48hr; LC50 Daphnia magna 70.7 mg/l/48 hr; EC50 Desmodemus subspicatus 2.2 mg/L/72 hr

Persistence and degradability: Urethane Dimethacrylate and Ethoxylated Bisphenol A Dimethacrylate are not readily biodegradable in screening tests.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: None known

Section 13. Disposal Considerations

Solution Disposal: Discharge residual and unused solutions in accordance with Federal, State, and local regulations. For used solution, the waste solution must be characterized by the generator and disposed of in accordance with Federal, State, and local regulations.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If recycling is not available, discard in accordance with hospital policy.

Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated	None	None	None



EU ADR/RID	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA/ICAO	None	Not Regulated	None	None	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None identified

Section 15. Regulatory Information

U.S. Federal Regulations:

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

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

None

Protection of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

International Inventories

US EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Section 16. Other Information

Effective Date: July 9, 2019

Supersedes Date: February 11, 2019

Revision Summary: Updated Corporation address.

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.