

**SAFETY DATA SHEET**

**Section 1. Product And Company Identification**

**Product Name:** NX3 Nexus® Third Generation Try-In Gel

**Product Use:** Dental product: Permanent cement

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

**Information Phone Number:** 1-800-841-1428 (Customer Service)

**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:** February 25, 2019

**Section 2. Hazards Identification**

**GHS Classification:**  
Not Hazardous

**Label Elements:**  
None Required

**Section 3. Composition/Information on Ingredients**

| Component               | CAS No.    | Amount  |
|-------------------------|------------|---------|
| Glycerol                | 56-81-5    | 60-100% |
| Glass, oxide, chemicals | 65997-17-3 | 5-10%   |
| Titanium dioxide        | 13463-67-7 | 1-5%    |

**Section 4. First Aid Measures**

**Inhalation:** Remove victim to fresh air to keep at rest in a position comfortable for breathing.

**Skin Contact:** Gently wash with plenty of soap and water.

**Eye Contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Most important symptoms and effects, acute and delayed:** Causes eye irritation. Seek medical attention when symptoms persist.

**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 dioxide and carbon monoxide.

**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. Contain water used in firefighting from entering sewers or natural waterways.

## Section 6: Accidental Release Measures

**Personal precautions, Protective equipment, and Emergency procedures:** Evacuate spill area and keep unprotected personnel away. Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment.

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

**Methods and Materials for Containment and Cleaning up:** Prompt cleanup and removal are necessary. Absorb spills with an inert material and place in an appropriate waste disposal container.

## Section 7. Handling and Storage

**Precautions for Safe Handling:** Prevent contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Use with adequate ventilation. 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 direct sunlight. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in 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   |
|-------------------------|--|
| Glycerol                | 5 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction)<br>15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) |
| Glass, oxide, chemicals | 5 mg/m <sup>3</sup> TWA ACGIH TLV  |
| Titanium dioxide        | 10 mg/m <sup>3</sup> TWA ACGIH TLV   |

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

**Respiratory Protection:** None under normal use conditions with adequate ventilation. For operations where the occupational exposure limits are exceeded, an approved respirator with particulate cartridges 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 are suggested to prevent skin contact. Contact your glove supplier for selection assistance.

**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

|   |                       |                                  |  |
|---|-----------------------|----------------------------------|--|
| <b>Appearance:</b>                              | Various colored paste | <b>Odor:</b>                     | Odorless                                   |
| <b>Odor Threshold:</b>                          | Not available         | <b>pH:</b>                       | Not available                              |
| <b>Melting/Freezing Point:</b>                  | Not available         | <b>Boiling Point/Range:</b>      | Not available                              |
| <b>Flash Point:</b>                             | Not flammable         | <b>Evaporation Rate:</b>         | Not available                              |
| <b>Flammability: (Solid, Gas)</b>               | Not applicable        | <b>Flammability Limits:</b>      | LEL: Not applicable<br>UEL: Not applicable |
| <b>Vapor Pressure:</b>                          | Not available         | <b>Vapor Density:</b>            | Not available                              |
| <b>Relative Density:</b>                        | 1.7                   | <b>Solubilities:</b>             | Partially soluble in water                 |
| <b>Partition Coefficient: (N-Octanol/Water)</b> | Not available         | <b>Autoignition Temperature:</b> | Not available                              |
| <b>Decomposition Temperature:</b>               | Not available         | <b>Viscosity:</b>                | 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:** Hazardous polymerization will not occur.

**Conditions to avoid:** Avoid heat, flames, all sources of ignition, direct sunlight, extremely high or low temperatures.

**Incompatible Materials:** No data available.

**Hazardous decomposition products:** None if stored normally.

## Section 11. Toxicological Information

**Potential Health Effects:**

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye Contact:** May cause eye irritation.

**Ingestion:** No data available.

**Chronic Hazards:** No data available.

**Skin Sensitization:** No adverse effects expected. Components are not sensitizers.

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

**Germ Cell Mutagenicity:** None of the components have shown mutagenic activity in animal studies.

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

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

**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory tract irritation by prolonged exposure.

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

**Aspiration Toxicity:** Not an aspiration hazard.

**Acute Toxicity Values:**

Product ATE: 40918.3 mg/kg (Oral)

Glycerol: LD50 Oral rat: 12600 mg/kg; LD50 Dermal rabbit: >10000 mg/kg;

LC50 Inhalation rat: 0.57 mg/L/4hr

Titanium dioxide: LD50 Oral rat: >2000 mg/kg, LC50 Inhalation rat: 3.43-5.09 mg/L/4 hr (no mortality)

|   |
|---|
| <b>Section 12. Ecological Information</b> |
|---|

**Toxicity:**

Glycerol: 96 hr LC50 Rainbow trout 67500 mg/L

**Persistence and degradability:** Glycerol is readily biodegradable.

**Bioaccumulative Potential:**

Glycerol: log  $P_{ow}$  -1.76, potential for bioaccumulative is low.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

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| <b>Section 13. Disposal Considerations</b> |
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**Disposal:** For unused product, dispose 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 |
|-------------------|-----------|-------------------------|-----------------|---------------|-----------------------|
| <b>US DOT</b>     | None      | Not Regulated           | None            | None          | None                  |
| <b>EU ADR/RID</b> | None      | Not Regulated           | None            | None          | None                  |
| <b>IMDG</b>       | None      | Not Regulated           | None            | None          | None                  |
| <b>IATA/ICAO</b>  | None      | Not Regulated           | None            | None          | None                  |

**Special Precautions for User:** None identified

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

**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.

**Canada CEPA:** All of the components of this material are listed on the DSL or exempt.

**Section 16. Other Information**

**Effective Date:** February 25, 2019

**Supersedes Date:** April 1, 2015

**Revision Summary:** All Sections – New SDS format

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.