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	VACUETTE® Blood Collection Tube K2E K2EDTA	

SECTION 1: IDENTIFICATION

- **Product Name:** VACUETTE® Blood Collection Tube K2E K2EDTA
- **Manufacturer/Supplier:**
Greiner Bio-One North America Inc.
4238 Capital Drive
Monroe, NC 28110, USA
Tel: (+1) 888-286-3883
FAX: (+1) 800-726-0052
Email: info@us.gbo.com
- Emergency phone number: CHEMTREC: +1-800-424-9300 or (+1) 704-254-1637
- Recommended use / restrictions of use
To collect, transport and process blood for testing serum, plasma or whole blood in the clinical laboratory. To be used only by trained healthcare personnel according to instructions of use.

SECTION 2: HAZARDS IDENTIFICATION

- Health Rating: 1 – Slight
- Flammability Rating: 0 – None
- Reactivity Rating: 0 – None
- Contact Rating: 1 - Slight

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Description:** VACUETTE PET Tube (Polyethyleneterephthalate) with chemical additive
- **Chemical name:** Ethylenediaminetetraacetic Acid Dipotassium Dihydrate (EDTA K2)
- **CAS No.** 25102-12-9
- **Quantity of EDTA K2:** < 1% (mass %)
Because of trade secrets, not all components and their percentages are listed

SECTION 4: FIRST AID MEASURES

- **Acute exposure effect:**
May cause skin and eye irritation. Inhalation causes respiratory tract irritation. Ingestion causes gastrointestinal irritation with nausea, vomiting and diarrhea.
- **Skin:** Wash with soap and copious amounts of water.
- **Eyes:** Flush eyes with copious amounts of water for at least 15 minutes.
- **Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen.
- **Ingestion:** Victim should drink copious amounts of water to dilute. Get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

- **Not considered to be a fire or explosion hazard**
- **Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.
- **Protective equipment:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full-face piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Avoid overexposure. Wear suitable protective clothing.
- **Environmental precautions:** N/A
- **Methods for cleaning up:** Carefully sweep up and remove. Flush area with water.

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SECTION 7: HANDLING AND STORAGE

- **Handling:**
Advice for safe handling: Keep container tightly closed. Suitable for any general chemical storage area. Avoid inhalation of dusts.
Information about protection against explosions and fires: Avoid contact with incompatible material, minimize dust generation and accumulation.
- **Storage:**
Requirements to be met by storerooms and receptacles: Keep container tightly closed.
Information about storage in one common storage facility: Suitable for any general chemical storage area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Exposure limits:** N/A
- **Control parameters:** N/A
- **Personal protective equipment:**
General protective and hygienic measures: Wash thoroughly after handling. Remove contaminated and wash before reuse. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation. Use with adequate ventilation. Provide eye bath and safety shower.
Breathing equipment: Use an appropriate dust mask
Hand protection: Wear proper gloves.
Eye protection: Use safety goggles.
Body protection: Wear appropriate protective clothing to prevent skin exposure.
- **Hygiene measures:** N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|---|---|
| a) Appearance | Form: Crystalline powder
Color: White |
| b) Odor: | No data available |
| c) Odor Threshold | No data available |
| d) PH-value: | 4.0 – 5.0 at 40.4 g/l at 25°C (77 °F) |
| e) Melting point/freezing point: | Melting point/range: 255 - 280 °C (491 - 536 °F) – dec. |
| f) Initial boiling point/
and boiling range: | No data available |
| g) Flash point: | No data available |
| h) Evaporation rate: | No data available |
| i) Flammability (solid, gas): | No data available |
| j) Upper/lower flammability or
explosive limits: | No data available |
| k) Vapor pressure: | No data available |
| l) Vapor density: | No data available |
| m) Relative density: | No data available |
| n) Water solubility: | ca. 40.4 g/l at 20 °C (68 °F) |
| o) Partition coefficient: n-
octanol/water | No data available |
| p) Auto-ignition temperature: | No data available |
| q) Decomposition temperature | No data available |
| r) Viscosity: | No data available |
| s) Explosive properties: | No data available |
| t) Oxidizing properties: | No data available |

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SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:**
No data available
- **Chemical stability:**
No data available
- **Possibility of hazardous reactions**
No data available
- **Conditions to avoid:**
No data available
- **Hazardous decomposition products:**
Hazardous decomposition products formed under fire conditions – Carbon oxides, Nitrogen oxides (NO_x), Potassium oxides
Other decomposition products – No data available

SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute toxicity** (LD 50 oral, rat > 200 mg/kg)
Eye: May cause irritation
Skin: May cause irritation
Inhalation: Causes respiratory tract irritation
Ingestion: Causes digestive tract irritation
- **Primary irritant effect:**
On the skin: Not established
On the eye: Not established
- **Sensitization:** Not established
- **Additional toxicological information:** None identified

SECTION 12: ECOLOGICAL INFORMATION

- **Ecotoxicological effects:** No data is available on the adverse effects of this material on the environment.
- **Other information:** N/A
- **General notes:** N/A

SECTION 13: DISPOSAL CONSIDERATION

- **Product:**
Recommendation
 Disposal should be done in accordance with all federal, state and local environmental regulations. This product is not a hazardous waste according to local regulations.
- **Packaging:**
Recommendation
 Disposal should be done in accordance with all federal, state and local environmental regulations. This product is not a hazardous waste according to local regulations.

SECTION 14: TRANSPORT INFORMATION

- **DOT regulations:** Not regulated
- **Land transport ADR/RID:** Not regulated
- **Maritime transport IMDG:** Not regulated
- **Air transport ICAO-TI and IATA-DGR:** Not regulated

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SECTION 15: REGULATORY INFORMATION

- **OSHA, 29 CFR 1910.1200(g) and Appendix D. United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), third revised edition, United Nations, 2009”**
- **EC directives: 91/155/EEC, 93/112/EC, 88/379/EEC**
- **National regulations: Chemical (Hazard Information and Packaging) Regulations: ChemG (Austria)**
- **Water hazard class: N/A**
- **Note:** Please note that there may be additional legal provisions to be observed. We recommend that you keep yourself informed about all applicable international, national and local regulations.

SECTION 16: OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither Greiner Bio-One nor any of its subcontractors or suppliers assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.