
 <b>greiner bio-one</b> Page 1 / 3	<b>SAFETY DATA SHEET</b> acc. to ISO 11014, 29 CFR 1910.1200	 <b>greiner bio-one</b> A AN SOP 04.03.02-003 Rev.00 Valid from: 09/22/2014
	<b>VACUETTE® Z Serum Sep Clot Activator</b>	

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** VACUETTE® Z Serum Sep Clot Activator
- **Manufacturer/Supplier:**

### AUSTRIA

Greiner Bio-One GmbH  
Bad Haller Strasse 32  
4550 Kremsmünster  
Austria  
Tel: (+43) 7583 6791-0  
Fax: (+43) 7583 6791-1114  
Email: office@at.gbo.com

### USA

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

### BRASIL

Greiner Bio-One Brasil  
Produtos Médicos Hospitalares Ltda.  
Av. Affonso Pansan no. 1.967  
13473-620 Vila Bertini  
Americana, São Paulo - Brasil  
Tel: (+55) 19 3468-9600  
Fax: (+55) 19 3468-9601  
Email: info@br.gbo.com

### THAILAND

Greiner Bio-One (Thailand) Ltd.  
700/172 Moo. 1 Amata Nakorn Industrial Estate  
Tambon Bankao, Amphur Phanthong  
Chonburi 20160  
Tel: (+66) 38-465633  
Fax: (+66) 38-465635  
Email: office@th.gbo.com

## SECTION 2: HAZARDS IDENTIFICATION

- **Hazard description:**  
If used as intended and handled in a correct manner in accordance with our instruction for use no particular hazards to human health will occur.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Description:** VACUETTE PET Tube (Polyethyleneterephthalate) with
- **Chemical name:** Blood Coagulant Accelerator  
Gel (proprietary)
- **CAS No.** N/A
- **Quantity of substances:** Blood Coagulant Accelerator < 1% (mass %)  
Gel (proprietary) 10 – 15 % (mass %)
- **Exposure limits:** N/A

## SECTION 4: FIRST AID MEASURES



- Not expected to give rise to an acute hazard under normal conditions of use.

## SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** Water spray; dry chemical; carbon dioxide
- **Protective equipment:** Wear self-contained breathing apparatus and suitable protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Avoid overexposure. Wear suitable protective clothing.
- **Environmental precautions:** N/A
- **Methods for cleaning up:** N/A

 <b>greiner bio-one</b> Page 2 / 3	<b>SAFETY DATA SHEET</b> acc. to ISO 11014, 29 CFR 1910.1200	 <b>greiner bio-one</b> A AN SOP 04.03.02-003 Rev.00 Valid from: 09/22/2014
	<b>VACUETTE® Z Serum Sep Clot Activator</b>	

## SECTION 7: HANDLING AND STORAGE

- **Handling:**  
**Advice for safe handling:** Suitable for any general chemical storage area.  
**Information about protection against explosions and fires:** N/A
- **Storage:**  
 Suitable for any general chemical storage area.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



- **Control parameters:** N/A
- **Personal protective equipment:**  
**General protective and hygienic measures:** N/A  
**Breathing equipment:** N/A  
**Hand protection:** Use proper gloves.  
**Eye protection:** N/A  
**Body protection:** Wear appropriate protective clothing to prevent skin exposure.
- **Hygiene measures:** N/A

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **General information**  
**Form:** Blood Coagulant Accelerator: Water suspension mixture  
 Gel: paste mixture  
**Color:** Blood Coagulant Accelerator: Milky white  
 Gel: semitransparent, pale yellow, milky white  
**Odor:** Odorless
- **PH-value:** N/A
- **Change in condition**  
 Melting point/Melting range: N/A  
 Boiling point/Boiling range: N/A
- **Flash point:** N/A
- **Flammability (solid, gaseous):** N/A
- **Danger of explosion:** Generation and accumulation of dusts may cause an explosion.
- **Vapor pressure:** N/A
- **Density:** Blood Coagulant Accelerator: N/A  
 Gel: 1,04 – 1,07 g/cm<sup>3</sup>
- **Solubility in/Miscibility w/H<sub>2</sub>O:** Blood Coagulant Accelerator: Insoluble  
 Gel: Insoluble
- **Organic solvents:** N/A
- **Specific gravity:** N/A

## SECTION 10: STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to avoid:** No decomposition if used according to specifications
- **Materials to avoid:** None identified
- **Dangerous reactions:** None identified
- **Hazardous decomposition products:** Oxides of nitrogen, carbon monoxide, carbon dioxide.

 greiner bio-one Page 3 / 3	<b>SAFETY DATA SHEET</b> acc. to ISO 11014, 29 CFR 1910.1200	 greiner bio-one A AN SOP 04.03.02-003 Rev.00 Valid from: 09/22/2014
	<b>VACUETTE® Z Serum Sep Clot Activator</b>	

#### SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute toxicity** (LD 50 oral, rat > 200 mg/kg)
  - Eye:** None identified
  - Skin:** None identified
  - Inhalation:** None identified
  - Ingestion:** None identified
- **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.
  - Recommended cleansing agent:** N/A

#### 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

#### SECTION 15: REGULATORY INFORMATION

- **Hazard Communication Standard (HCS) 29 CFR 1910.1200(g), revised in 2012**
- **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.