
 greiner bio-one Page 1 / 3	<div style="text-align: center;"> <b>SAFETY DATA SHEET</b>  acc. to ISO 11014, 29 CFR 1910.1200         </div> <b>VACUETTE® 9NC Coagulation Sodium Citrate 3,2%</b>	 greiner bio-one A AN SOP 04.03.02-042 Rev.00 Valid from: 09/22/2014
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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** VACUETTE® 9NC Coagulation Sodium Citrate 3,2%
- **Manufacturer/Supplier:**

### AUSTRIA

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### THAILAND

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## 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.
- **Acute exposure effect:**  
May cause eye irritation. May cause mucosal irritation.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



- **Description:** VACUETTE PET Tube (Polyethyleneterephthalate) and optionally Inner PP Tube with
- **Chemical name:** Citric Acid Monohydrate  
Citric Acid Trisodium Dihydrate
- **CAS No.** Citric Acid Monohydrate 5949-29-1  
Citric Acid Trisodium Dihydrate 6132-04-03
- **Quantity of substances:** Citric Acid Monohydrate < 0,5 %  
Citric Acid Trisodium Dihydrate < 3 % } Preparation < 20 % (mass %)
- **Exposure limits:** N/A

## SECTION 4: FIRST AID MEASURES

- **Skin:** Wash with soap and copious amounts of water.
- **Eyes:** Flush eyes with copious amounts of water for at least 5 minutes.
- **Inhalation:** N/A
- **Ingestion:** Dilute with large amounts of water. Consult a physician.

## SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** Water spray; dry chemical; carbon dioxide.
- **Unusual fire and explosion hazards:** N/A
- **Protective equipment:** Wear self-contained breathing apparatus and suitable protective clothing.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

## 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



- **Personal protective equipment:**  
**General protective and hygienic measures:** Avoid contact with eyes, skin and clothing.  
**Breathing equipment:** N/A  
**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

- **General information**  
**Form:** Liquid (20°C)  
**Color:** Colorless  
**Odor:** Odorless
- **PH-value:** 5 – 6 (20°C)
- **Change in condition**  
Melting point/Melting range: Not determined  
Boiling point/Boiling range: approx. 100°C
- **Flash point:** N/A
- **Flammability (solid, gaseous):** N/A
- **Danger of explosion:** Product does not present an explosion hazard
- **Vapor pressure:** Not determined
- **Density:** 1,01 g/cm<sup>3</sup>
- **Solubility in/Miscibility w/H<sub>2</sub>O:** Miscible
- **Organic solvents:** N/A
- **Solids content:** 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.

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## SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute toxicity:** Not established
- **Eye:** May cause irritation
- **Skin:** May cause irritation
- **Inhalation:** Not determined
- **Ingestion:** None identified
- **Primary irritant effect:**
  - **On the skin:** May cause irritation
  - **On the eye:** May cause irritation
- **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. Disposal must be made according to the regulations found in 40 CFR 261. 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:** Water if necessary with cleansing agents

## 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.