

Calcium (Arsenazo) LiquiColor®

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identification: Calcium (Arsenazo) LiquiColor®
Ref No. 0155, 0155-225, etc.

Test kit contains Calcium (Arsenazo) Reagent and Calcium Standard.

Company Identification: Stanbio Laboratory
1261 North Main Street
Boerne, TX 78006

Telephone Number: (830) 249-0772
Website: <http://www.stanbio.com>

SECTION 2 – HAZARDS IDENTIFICATION

Routes of Exposure: Only when used as directed.

Classification system: In compliance with OSHA's Hazard Communication Standard (29CFR 1910.1200), a chemical mixture is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1% or more of a carcinogen. The product does NOT contain hazardous material(s) in excess of these amounts; therefore, no SDS is required under the standard.

National Fire Protection Association (NFPA) ratings (scale 0-4):

Health=0
Fire=0
Reactivity=0

Hazard Overview

Health: Minimal risk if used as directed.

Fire: Not considered a fire hazard.

Reactivity: Reagents do not contain hazardous materials according to the standard. Minimal risk.

Special Hazards: None

Carcinogenicity information

OSHA (Occupational Safety and Health Administration): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

SECTION 3 – PRODUCT COMPOSITION

The test kit is composed of Calcium (Arsenazo) Reagent and Calcium Standard.

Calcium (Arsenazo) Reagent/0156 (The reagent contains by percentage the following amounts of chemicals)

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
None determined to be hazardous.		

Calcium Standard /0153 (The reagent contains by percentage the following amounts of chemicals)

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
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None determined to be hazardous.

SECTION 4 – FIRST AID MEASURES

Inhalation: Move victim to fresh air. In case of respiratory difficulties seek medical attention.

Skin: Change contaminated clothing. Remove residues with water. In case of skin reactions, consult a physician.

Eyes: With eyelids open, wash out eyes for several minutes under flowing water. In case of troubles or persistent symptoms, consult an ophthalmologist.

Ingestion: Rinse mouth. If you feel unwell, seek medical advice. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings. Fires in the immediate vicinity may cause the development of dangerous vapors.

Special protective equipment for firefighters: Wear self-contained breathing apparatus. Wear protective equipment chemical protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up: Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

Do not allow to penetrate into soil, drains, sewage system, or surface water

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Keep all containers, equipment and working place clean.

Storage: Keep containers tightly closed and at a temperature listed on label. Do not freeze. Protect from heat and direct sunlight.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Occupational Exposure Limits: The product does not contain any hazardous ingredients with occupational exposure limits established by OSHA, ACGIH, or NIOSH.

Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal Protection Equipment

Breathing equipment: Use adequate protection to prevent inhalation, or good ventilation in room.

Hand protection: Wear necessary gloves when handling.

Eye protection: Wear appropriate safety glasses or other protective eyewear.

Body protection: Wear apron, laboratory coat or appropriate protective clothing when handling.

General protective and hygienic measures: Always maintain good housekeeping. Do not eat, drink or store food and beverages in areas where chemicals are used. Wash hands before breaks and at the end of the work shift

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Calcium (Arsenazo) Reagent

Appearance: Physical state: liquid

Color: Clear, violet

Odor: characteristic

Odor threshold: no data available

Melting point/freezing point: no data available

Initial boiling point and boiling range: no data available

Calcium Standard

Appearance: Physical state: liquid

Color: Clear, colorless

Odor: characteristic

Odor threshold: no data available

Melting point/freezing point: no data available

Initial boiling point and boiling range: no data available

SECTION 10 – STABILITY AND REACTIVITY

Stability: Product is stable under normal storage conditions.

Reactivity: No dangerous reactions are known.

SECTION 11 – TOXICOLOGICAL INFORMATION

LD50/50LC values for hazardous ingredients per OSHA criteria:

Ingredients (100% pure substance/s)

Not determined.

Primary toxicological effects of the final product

Skin irritation: Not determined.

Eye irritation: Not determined.

Sensitization: No sensitizing effects known.

Target organs/systems: Not determined.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity: Further details: no data available

Persistence and degradability: Further details: no data available

Bioaccumulative potential: Partition coefficient: n-octanol/water: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment: no data available

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT Class - Not restricted for transportation.

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IMDG Class - Marine pollutant: No, not restricted for transportation.

ICAO/IATA Class - Not restricted for transportation.

SECTION 15 – REGULATORY INFORMATION

SARA (Superfund Amendments and Reauthorization Act of 1986 – USA):

Section 302/304 (40CFR355.40): The product does not contain listed substances.

Section 313 (40CFR372.65): The product does not contain listed substances.

California Proposition 65 (USA)

Chemicals known to cause cancer: The product does not contain listed substances.

Chemicals known to cause female reproductive toxicity: None of the ingredients is listed.

Chemicals known to cause male reproductive toxicity: None of the ingredients is listed.

Chemicals known to cause developmental reproductive toxicity: None of the ingredients is listed.

Markings according to European guidelines: observe the general safety regulations when handling chemicals. The product does not require any hazard warnings according the respective European Community (EC) Directives.

SECTION 16 – OTHER INFORMATION

The information contained in this SDS is believed to be accurate and represents the best information currently available. Stanbio Laboratory makes no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should determine suitability of the information contained in SDS for their particular purpose.

In no way shall Stanbio Laboratory be liable for any claims, losses or damages resulting from using information contained in SDS.