

Total Bilirubin LiquiColor®

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identification: Total Bilirubin LiquiColor®
Ref No. 0230, 0230-450, etc.

Test kit contains Total Bilirubin Buffer Reagent and Total Bilirubin Color Reagent.

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 contains hazardous material(s) in excess of these amounts; therefore, precautions adequate for the pure form of the material(s) are presented here.

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 contain Cetyl-tri-methyl Ammonium Bromide (CTAB) and Thesit. Minimal risk.

Special Hazards:

Cetyl-tri-methyl Ammonium Bromide (CTAB): Slightly flammable to flammable in presence of heat. Slightly explosive in presence of open flames and sparks.

Thesit: Negligible fire hazard when exposed to heat or flame. Not considered to be an explosion hazard.

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 Total Bilirubin Buffer Reagent and Total Bilirubin Color Reagent.

Total Bilirubin Buffer Reagent/0231 (The reagent contains by percentage the following amounts of chemicals)

Total Bilirubin LiquiColor®

Chemical Name	CAS No.	Concentration
Cetyl-tri-methyl Ammonium Bromide (CTAB)	57-09-0	1.00 %

Total Bilirubin Color Reagent/0232 (The reagent contains by percentage the following amounts of chemicals)

Chemical Name	CAS No.	Concentration
Thesit®	9002-92-0	2.00 %

SECTION 4 – FIRST AID MEASURES

After inhalation: Provide fresh air. Restore or support breathing. Keep victim warm and quiet. Get medical attention.

After skin contact: Flush skin with water for 15 minutes. Wash affected area thoroughly with soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

After eye contact: Flush eyes including under the eyelids with water for 15 minutes. Get medical attention.

After swallowing: Wash out mouth with generous amounts of water. Do not give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Cetyl-tri-methyl Ammonium Bromide (CTAB)

EXTINGUISHING MEDIA: For small fire, use dry chemical powder. For large fire, use water spray, fog or foam. Do not use water jet.

GENERAL INFORMATION: Wear a self-contained breathing apparatus and protective clothing. Beware of fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Thesit

EXTINGUISHING MEDIA: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide for fighting surrounding fire.

GENERAL INFORMATION: Wear a self-contained breathing apparatus and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill Response: Ventilate area. Use water spray to reduce vapors. Absorb with non-reactive absorbent such as earth, sand or vermiculite. After absorption, scoop up and place into a suitable container for proper disposal. Wash area clean after material is scooped up.

Waste Response: Dispose of in a manner consistent with federal, state and local regulation.

SECTION 7 – HANDLING AND STORAGE

Information for safe handling: Refer to the package insert or product label for additional information on storage conditions.

Information about protection against explosions and fires: No special measures required.

Requirements to be met by storerooms and receptacles: Refer to the package insert or product label for additional information on storage conditions.

Total Bilirubin LiquiColor®

Information about storage in one common storage facility: Store product in original packaging.

Further information about storage conditions: 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.

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.

Breathing equipment: Use adequate protection to prevent inhalation, as well as good ventilation.

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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Cetyl-tri-methyl Ammonium Bromide (CTAB)

Boiling Point: N/A

Melting Point: - 250 °C

Specific Gravity: N/A

Flash Point: 244 °C (closed Cup)

Thesit

Boiling Point: 100 °C

Melting Point: 43 °C

Specific Gravity: N/A

Flash Point: 113 °C (closed cup)

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable at room temperature in closed containers under normal storage and handling conditions.

INCOMPATIBILITY: Keep away from heat. Keep away from sources of ignition.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Cetyl-tri-methyl Ammonium Bromide (CTAB)

THRESHHOLD LIMIT: N/A

LD50 (oral rat): 410 mg/kg

CARCINOGEN: No

Thesit®

THRESHHOLD LIMIT: None established

LD50 (oral rat): 1000 mg/kg

CARCINOGEN: No

Total Bilirubin LiquiColor®

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.

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.