Safety Data Sheet

RaPET® CRP

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identification: RaPET® CRP
Ref No. 1130, 1130-050, etc.

Test kit contains CRP Latex Reagent, CRP Positive Control, Negative Control, and Glycine-Saline Buffer (20X) Concentrate.

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: Glycine-Saline Buffer (20X) Concentrate contains Sodium Chloride; Glycine; and Sodium Azide. Minimal risk.
Special Hazards:
Sodium Chloride: Not considered a fire hazard.
Glycine: With heat, oxides of nitrogen, ammonia, carbon monoxide and carbon dioxide are formed.
Sodium Azide: In dry form, decomposes explosively on heating. Reacts with copper and lead to produce explosive azides.
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 CRP Latex Reagent, CRP Positive Control, Negative Control, and Glycine-Saline Buffer (20X) Concentrate.

CRP Latex Reagent/1131 (The reagent contains by percentage the following amounts of chemicals)

RaPET® CRP

Chemical Name	CAS No.	Concentration

None determined to be hazardous.

CRP Positive Control/1132 (The reagent contains by percentage the following amounts of chemicals)

Chemical Name	CAS No.	Concentration

None determined to be hazardous.

Negative Control/1192 (The reagent contains by percentage the following amounts of chemicals)

Chemical Name	CAS No.	Concentration

None determined to be hazardous.

Glycine-Saline Buffer (20X) Concentrate/1191 (The reagent contains by percentage the following amounts of chemicals)

Chemical Name	CAS No.	Concentration
Sodium Chloride	7647-14-5	20.0 % **
Glycine	56-40-6	15.0 % **
Sodium Azide	26628-22-8	2.0 % **

**Once concentrate is diluted to final volume, solution is below hazardous limits: sodium chloride will be 1%, glycine will be 0.75%, sodium azide will be 0.1%.

SECTION 4 – FIRST AID MEASURES

RESPIRATORY PROTECTION:	None required unless product is misted
VENTILATION:	Good ventilation
GLOVES:	Yes
LAB COAT:	Yes
EYE PROTECTION:	Yes
LABORATORY PRECAUTIONS:	Normal laboratory precautions are recommended.

SECTION 5 – FIRE FIGHTING MEASURES

Sodium Chloride

HAZARDS: Not considered a fire hazard.
EXTINGUISHING MEDIA: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam for surrounding fire. Material is not considered fire hazard.
GENERAL INFORMATION: Wear a self-contained breathing apparatus and protective clothing.

Glycine

HAZARDS: With heat, oxides of nitrogen, ammonia, carbon monoxide and carbon dioxide are formed.

EXTINGUISHING MEDIA: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam for surrounding fire. Material is not considered fire hazard.
GENERAL INFORMATION: Wear a self-contained breathing apparatus and protective clothing.

Sodium Azide

HAZARDS: In dry form, decomposes explosively on heating. Reacts with copper and lead to produce explosive azides. In wet form, as presented in reagent, the product is significantly less reactive, however, careful handling should be used when pouring reagent down sink. Adequate flushing of water down drain should be done to avoid accumulation.
EXTINGUISHING MEDIA: Dry chemical, foam or carbon dioxide.
GENERAL INFORMATION: Wear a self-contained breathing apparatus and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Safe work practices: Disposal should be made in accordance with existing disposal practices employed for infectious waste.
Measures for environmental protection: Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.
Measures for cleaning/ collecting: Wash spill area with appropriate cleaning materials. 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.
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

Sodium Chloride

RaPET® CRP

Boiling Point: 1413°C
Melting Point: 801°C
Specific Gravity: 2.16
Flash Point: NA

Glycine

Boiling Point: NA
Melting Point: 290°C
Specific Gravity: 1.16
Flash Point: NA

Sodium Azide

Boiling Point: NA
Melting Point: 300°C
Specific Gravity: 1.85
Flash Point: Not identified

SECTION 10 – STABILITY AND REACTIVITY

Glycine-Saline Buffer contains sodium chloride, glycine and sodium azide.

STABILITY: Stable
INCOMPATIBILITY: None
HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Sodium Chloride

THRESHOLD LIMIT: Not established
LD50 (oral rat): 3000 mg/kg
CARCINOGEN: No

Glycine

THRESHOLD LIMIT: Not established
LD50 (oral rat): Not established
CARCINOGEN: No

Sodium Azide

THRESHOLD LIMIT: Not established
LD50 (oral rat): 27 mg/kg
CARCINOGEN: No

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.