Stanbio Laboratory
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RaPET® CRP **Cat. No. 1130, 1130-050, 1130-100, etc.**

PRECAUTION

For In-Vitro Diagnostic Use Only
Potential biohazardous material.

HAZARDOUS INGREDIENTS

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.

Principle Hazardous Component(s) of RaPET® CRP Latex Reagent, 1131

Chemical Name	CAS No.	Concentration
None determined to be hazardous		

Principle Hazardous Component(s) of CRP Positive Control, 1132

Chemical Name	CAS No.	Concentration
None determined to be hazardous		

Principle Hazardous Component(s) of Negative Control, 1192

Chemical Name	CAS No.	Concentration
None determined to be hazardous		

Principle Hazardous Component(s) of Glycine-Saline Buffer (20X) Concentrate, 1191

Chemical Name	CAS No.	Concentration
1) Sodium Chloride	7647-14-5	20.0 % **
2) Glycine	56-40-6	15.0 % **
3) 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%.

PHYSICAL CHARACTERISTICS (Physical/Fire/Explosive Data)

1) Sodium Chloride

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

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.

2) Glycine

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

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.

3) Sodium Azide

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

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.

REACTIVITY DATA

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

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

HEALTH HAZARD DATA

1) Sodium Chloride

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

SIGNS/SYMPTOMS OF EXPOSURE: Contact with eyes can be irritating. Possibly irritating to skin. Ingestion of large quantities causes stomach irritation.

2) Glycine

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

SIGNS/SYMPTOMS OF EXPOSURE: None identified.

3) Sodium Azide

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

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SIGNS/SYMPTOMS OF EXPOSURE: Inhalation may cause irritation to the respiratory tract and mucous membrane causing sore throat, coughing, dizziness, shortness of breath, and fainting. May be absorbed through inhalation with symptoms parallel to ingestion. With ingestion, material is highly toxic. May cause breathlessness and rapid heart beat within 5 minutes. Nausea, vomiting, headache, restlessness and diarrhea may occur within 15 minutes. Other symptoms may include low blood pressure, abnormal breathing, reduced body temperature, reduced body pH, convulsions, collapse and death. With skin contact, material is highly toxic. Causes irritation, redness and pain. Contact with eyes causes irritation, redness, pain and blurred vision.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION:	Provide fresh air. Restore or support breathing. Keep victim warm and quiet. Get medical attention.
EYES:	Flush eyes including under the eyelids with water for 15 minutes. Get medical attention.
SKIN:	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.
INGESTION:	Induce vomiting immediately. Do not give anything by mouth to an unconscious person. Get medical attention.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	None required unless product is misted
VENTILATION:	Good ventilation
GLOVES:	Yes
LAB COAT:	Yes
EYE PROTECTION:	Yes
LABORATORY PRECAUTIONS:	Do not pipette by mouth. Normal laboratory precautions are recommended.

SPECIAL PRECAUTIONS

Controls are a potential biohazardous material. Source materials from which these products were produced were found negative for HBsAG and for antibodies against HCV and HIV by approved test methods. No test can offer complete assurance that infectious agents are absent, this product should be handled observing the same safety precautions employed when handling any potentially infectious material. The toxicological properties have not been thoroughly investigated.

Reagents contain sodium azide as preservative. Accumulation of azide may react with copper or lead plumbing to form explosive compound on percussion. Flush drain with copious amounts of water to prevent build up.

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SPILL/LEAK PROCEDURES

Spill Response:	Disposal should be made in accordance with existing disposal practices employed for infectious waste.
Waste Response:	Dispose of in a manner consistent with federal, state and local regulation.

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