

<p style="text-align: center;">RPA III Kits Material Safety Data Sheets</p>

Cat.# 1414 (100 rxn), 1415 (35 rxns)

These kits contain Inactivation/PPT. Soln. and Gel Loading Buffer in which the safety data sheets are included on the attached sheets. All other components of the kit consist of either aqueous solutions containing buffers or enzymes containing glycerol, none of which are thought to present any health hazard. The information listed below is pertinent to the glycerol contained in the enzymes included in the kit.

PHYSICAL DATA

Appearance and Odor	Viscous colorless liquid
Boiling Point	N/A
Specific Gravity	N/A
Solubility in H ₂ O	Soluble
Cas.#	56-81-5

FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media	Water, CO ₂ , Foam, Dry Chemical.
Special Fire Fighting	Wear self contained breathing apparatus and protective clothing.
Unusual Fire/Explosion Hazards	Contact with strong oxidizers may cause fire or explosion.

HEALTH HAZARD DATA

Effects of Overexposure	May cause slight nausea if ingested.
Emergency First Aid Procedures	Wash affected area with water. If ingested, drink several glasses of water, induce vomiting. Notify physician immediately.

REACTIVITY DATA

Stability	Stable
Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide
Hazardous Polymerization	Does not occur.

SPILL OR LEAK PROCEDURES

If released or spilled	Absorb on inert material. Wash area thoroughly.
Waste Disposal Method	Dispose according to all federal, state, and local laws.

SPECIAL PROTECTION AND HANDLING INFORMATION

Respiratory Protection	None needed.
Ventilation	Not expected to require any special ventilation.
Precautionary Labeling	None
Handling and Storage Considerations	Laboratory aprons and gloves.

This bulletin is for your guidance and is based upon information and tests believed to be reliable. Ambion makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The data are offered solely for your consideration, investigation, and verification. These suggestions should not be confused with either state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, and local regulations.051500 msds\1414 rpa III.msd

**RPA III Kits
Inactivation / PPT. Soln.
Material Safety Data Sheet**

Physical Properties

Appearance and Odor	Clear to slightly yellow liquid
Boiling Point	N/A
Specific Gravity	N/A
Solubility in H ₂ O	Soluble

FIRE AND EXPLOSION HAZARD DATA

Flash Point	Does Not Flash
Flammable Limits in Air(% by Volume)	No Data
Extinguishing Media	Water, CO ₂ , Foam, Dry Chemical
Special Fire Fighting	Wear self-contained breathing apparatus and protective clothing.
Unusual Fire/Explosion Hazards	Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion.

HEALTH HAZARD DATA

Effects of Overexposure	Acute overexposure may cause irritation.
Emergency First Aid Procedures	Notify physician immediately. Wash affected area with soap and water. Remove contaminated clothing. Remove to fresh air. Irrigate eyes for at least 15 minutes.

REACTIVITY DATA

Stability	Stable
Incompatibility	Strong acids, bases or oxidants
Hazardous Decomposition Products	Acrid fumes. Oxides of carbon, sulfur and nitrogen.
Hazardous Polymerization	Will not occur.

SPILL OR LEAK PROCEDURES

If released or spilled	Clean area thoroughly
Waste Disposal Method	Dispose according to federal and local regulations.

SPECIAL PROTECTION INFORMATION

Respiratory Protection	Use NIOSH approved respirator as needed
Ventilation	Lab Hood as appropriate
Protective Gloves	General lab gloves
Eye Protection	Use general lab eye protection-goggles
Precautionary Labeling	Avoid contact with skin, eyes and clothing.
Handling and Storage Considerations	Laboratory aprons and gloves.

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RPA III Kits
Gel Loading Buffer II
Material Safety Data Sheet

This product contains formamide and therefore this MSDS is written to apply to the Formamide component.

PHYSICAL DATA

Appearance and Odor	Dark Blue, slightly hygroscopic oily liquid
Boiling Point	210C
Vapor Density (air = 1)	1.55
Solubility in H ₂ O	soluble
CAS#	75-12-7

FIRE AND EXPLOSION HAZARD DATA

Flash Point	N/A
Flammable Limits in Air(% by Volume)	N/A
Extinguishing Media	Water, CO ₂ , Foam, Dry Chemical
Special Fire Fighting	Wear self-contained breathing apparatus and full protective equipment.
Unusual Fire/Explosion Hazards	Can produce toxic gases such as carbon monoxide and ammonia in fire conditions.

HEALTH HAZARD DATA

Effects of Overexposure	Causes irritation when inhaled or ingested. May be absorbed through skin. ALWAYS WEAR GLOVES WHEN HANDLING.
Emergency First Aid Procedures	Wash affected area with water. Irrigate eyes for at least 15 minutes. Seek medical attention.

REACTIVITY DATA

Incompatibility	Strong oxidizing agents, protect from moisture, acids & bases.
Hazardous Decomposition Products	Toxic fumes of CO, CO ₂ , & Nitrogen Oxides.

SPILL OR LEAK PROCEDURES

If released or spilled	Absorb with inert material. Wash spill area thoroughly.
Waste Disposal Method	Dispose according to federal and local regulations.

SPECIAL PROTECTION AND HANDLING INFORMATION

Respiratory Protection	Not expected to require personal respirator usage. (Use NIOSH approved respirator if necessary)
Ventilation	Not expected to require any special ventilation (Lab Hood if needed)
Precautionary Labeling	Avoid contact with skin, eyes and clothing.
Handling and Storage Considerations	Laboratory aprons and gloves and eye protection .

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