

Material Safety Data Sheets

Cat.# 1926 - RiboPureä- Yeast

These kits contain Binding Buffer, Wash Solution 1 and Phenol:Chloroform:IAA in which the safety data sheets are included on the attached sheets. All other components of the kit consist of aqueous solutions containing buffers none of which are thought to present any health hazard. The information listed below is pertinent to the buffers included in the kit.

PHYSICAL DATA

Appearance and Odor	Liquid
Boiling Point	N/A
Specific Gravity	N/A
Vapor Density & Pressure	N/A
Solubility in H ₂ O	Soluble

FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media	Water, CO ₂ , Foam, Dry Chemical
Special Fire Fighting	Wear protective gear suitable for surrounding fire.
Fire / explosion hazards	None known

HEALTH HAZARD DATA

Effects of Overexposure	May be harmful by ingestion.
Emergency First Aid Procedures	Wash affected area with water. Irrigate eyes for at least 15 minutes. See physician immediately.

REACTIVITY DATA

Stability	Stable
Incompatibility	N/A
Hazardous Decomposition Products	N/A

SPILL OR LEAK PROCEDURES

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

SPECIAL PROTECTION AND HANDLING INFORMATION

Respiratory Protection	None needed
Ventilation	General ventilation
Protective Gloves	General lab safe gloves
Eye Protection	Use general eye protection-goggles.
Handling and Storage	Wear appropriate protective clothing and gloves.

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For complete contact and distributor information, see: www.ambion.com

www.ambion.com/techlib/spec/sp_1926.pdf

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Cat.# 1926 - RiboPureä- Yeast

Binding Buffer/Wash Solution 1

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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Phenol:Chloroform:IAA

Phenol:Chloroform:IAA consists of Phenol, chloroform and isoamyl alcohol at a ratio of 25:24:1, (at a pH of 6.6)

PHYSICAL DATA

Appearance and Odor Colorless to slightly yellow liquid.

Specific Gravity (H₂O = 1) 1.31 cm³

Solubility in H₂O Insoluble

Solubility in ethanol soluble

Also included with the Phenol:Chloroform is a bottle of a tris based alkaline buffer which does not present a hazard.

TOXICITY and HEALTH HAZARDS

Poisonous - Readily Absorbed through Skin. Take precautions to avoid contact or ingestion. If skin contact occurs clean immediately. If ingested, seek medical attention immediately. Chloroform is a suspected carcinogen.

Emergency First Aid Wash affected area with copious amounts of water for at least 15 minutes and then soap and water. **Speed in removing material from skin is extremely important.** Use safety shower. Call physician let them know you have been exposed to phenol - a very corrosive and caustic solution.

Effects of Overexposure Severe Irritation to eyes, nose, throat. May cause nausea and dizziness. Causes damage to skin with any exposure. May be fatal is swallowed.

FIRE AND EXPLOSION HAZARD DATA

Flash Point No Data

Extinguishing Media Use media appropriate to surrounding fire.

Special Fire Fighting Wear self-contained breathing apparatus and protective equipment.

Fire/Explosion Hazards Emits toxic fumes under fire conditions.

REACTIVITY DATA

Stability Stable, Light sensitive.

Incompatibility Strong oxidizing agents, protect from acids and bases, calcium hypochlorite, magnesium, lead and zinc.

Hazardous Decomp. Products Toxic fumes of HCL, CO₂ oxides.

Hazardous Polymerization Will not occur.

SPILL OR LEAK PROCEDURES

If released or spilled Evacuate area. Cover with inert material, wear gloves to pick up, place in closed container and hold for organic waste disposal. Ventilate area and wash spill site after cleanup with soap and water.

Waste Disposal Method Dispose according to federal, state and local laws.

SPECIAL PROTECTION AND PRECAUTION INFORMATION

Respiratory Protection Use NIOSH approved respirator

Ventilation Local exhaust, Chemical fume hood.

Protective Gloves Neoprene or PVC

Eye Protection Use full eye protection-goggles

Precautionary Labeling Harmful, dangerous liquid, Corrosive to skin.

Handling and Storage Laboratory aprons and gloves. Store at +4 or -20°C (for long term storage)

Federally regulated - classified as a poison, IATA I.D. No. - UN 2821 - class 6.1 - packing group II

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