



MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION	
Manufacturer:	ITT Analytics
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SECTION I - PRODUCT IDENTIFICATION	
Part Number:	473651
Product Name:	pH 4.00 Buffer
Chemical Name:	Water, Deionized
Formula:	N/A
Formula Weight:	N/A
CAS Number:	7732-18-5
Chemical Name:	Potassium Acid Phthalate
Formula:	N/A
Formula Weight:	N/A
CAS Number:	877-24-7
Chemical Name:	Inert Dye
Formula:	N/A
Formula Weight:	N/A
CAS Number:	Proprietary
Chemical Name:	Preservative
Formula:	N/A
Formula Weight:	N/A
CAS Number:	Proprietary
Chemical Family/Product Type:	Aqueous Salt Solution

SECTION II - COMPOSITION

Chemical component % CAS. No. Nature of Hazard No hazardous ingredients according to OSHA definition.

SECTION III - PHYSICAL DATA

State:	Liquid
Appearance:	Clear, red liquid
Boiling Point:	Approximately 100 °C
Melting Point:	Approximately 0 °C
Specific Gravity:	Approximately 1
Vapor Pressure:	N/A
Odor:	None
Vapor Density:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Complete
Storage Precautions:	Protect from freezing and physical damage

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point:	N/A
FPA Codes:	Health: N/A Flammability: N/A Reactivity: N/A
Toxic Gases Produced:	N/A
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire

SECTION V - HEALTH HAZARD DATA

Exposure Limit (TLV/TWA):	N/A
Toxicity: LD50 (oral-rat):	LD50, Oral, Rate >3200 mg/kg (Potassium Acid Phthalate), details of toxic effects not reported other than lethal dose value
Primary Routes of Entry:	Eyes, skin
Carcinogens:	N/A
Effects of Overexposure:	Contact with skin or eyes may cause slight irritation. Ingestion may cause nausea, vomiting, diarrhea and cramps

Precautionary Steps:	Wear protective rubber gloves and safety glasses. Avoid contact with eyes, skin and clothing.
Emergency and First Aid Procedures:	In case of contact with eyes, immediately flush with large amounts of water. For contact with skin, remove contaminated clothing, wash area with soap and water. Get medical assistance if irritation persists. In case of ingestion dilute with water or milk and call physician if necessary.

SECTION VI - REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to be Avoided:	N/A
Known Incompatibility (Materials to Avoid):	N/A
Decomposition Products:	N/A

SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be Taken in Case of Leaks or Spills:	Mop up affected area. Rinse area with water.
Disposal:	Dispose in accordance with all applicable federal, state and local environmental regulations.

SECTION VIII - TRANSPORTATION DATA

Proper Shipping Name:	N/A
Hazard Class:	N/A
UN Number:	N/A

SECTION IX - OTHER MISCELLANEOUS

This reduced reprint of the MSDS is provided for your information and is in compliance with U.S. Department of Labor OSHA guidelines/standards.

The information herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranty and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.

N/A = Not Applicable or Not Available.