

MATERIAL SAFETY DATA SHEET

Part# PHFS-A250

SECTION I: GENERAL INFORMATION

PRODUCT NAME: Reference Fill Solution, 4M KCl & Saturated Ag, PHFS-A250 and electrodes with same fill solution

CHEMICAL NAME: Potassium Chloride/Triton X-100/Silver Chloride in Water

CHEMICAL FAMILY: salt solution

DOT SHIPPING INFO: none

IATA SHIPPING INFO: none

SECTION II: INGREDIENTS

CAS NO.	%	CHEMICAL NAME(S)	LD50 (mg/kg) oral-rat	OSHA/PEL ACGIH TLV
7447-40-7	30%	Potassium Chloride	383	none
9036-19-5	0.01%	Triton X-100	4000	none
7783-90-6	0.001%	Silver Chloride	330	none
7732-18-5	69.989%	Water	-	none

SECTION III: PHYSICAL DATA

BOILING POINT: 104°C

SPECIFIC GRAVITY: 1.1

VAPOR PRESSURE: N/A

FREEZING POINT: -4°C

VAPOR DENSITY: N/A

pH: 5.5-8

WATER SOLUBILITY: Soluble

APPEARANCE & ODOR: Clear, odorless solution

SECTION IV: FIRE & EXPLOSION HAZARD DATA

FLASHPOINT: Not flammable

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Water, CO₂, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE & EXPLOSION HAZARDS: N/A

SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Itching of skin, irritation in an open wound. Irritation of eyes.

EMERGENCY & FIRST AID: Wash off contact area with water.
EYES & SKIN: Wash off contact area with water.
INGESTION/INHALATION: If exposed internally, consult physician.

SECTION VI: REACTIVITY DATA

STABLE: yes
CONDITIONS TO AVOID: N/A
INCOMPATIBILITY: None, suitable for any general storage.
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN: Clean up and set aside for waste disposal.
WASTE DISPOSAL METHOD: Observe all federal, state, and local laws when disposing of this product.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A
VENTILATION: N/A
PROTECTIVE GLOVES: N/A
EYE PROTECTION: Safety goggles
OTHER PROTECTIVE EQUIPMENT: N/A

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: SARA Title III: The chemicals in this product do not appear on this listing.
OTHER PRECAUTIONS: NFPA Rating (0-4): Health-0, Fire-0, Reactivity-0, Specific-0.

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