



MATERIAL SAFETY DATA SHEET

Analytical Sensors & Instruments Ltd.

12800 Park One Drive
Sugar Land, TX 77478-2521

Phone: (281)-565-8818; Fax: (281)-565-8811
Email: info@asi-sensors.com

Section I. PRODUCT IDENTIFICATION

Product Name: Conductivity, Standard Solution, Low, Medium, or High Conductivity, 150µS/cm, 1,413 µS/cm, or 12,880 µS/cm	Catalog No. CON-LST, CON-MST, or CON-HST	Effective Date 13 September, 2006
Hazardous Shipment Labeling:	DOT None	IATA None
Prepared by George C. Barone III, Ph.D.	Title: Senior Research Chemist	
Approved by George C. Barone III, Ph.D.	Title: Director Regulatory Compliance	

Section II. HAZARDOUS INGREDIENTS/Identity Information

Hazardous Components* Specific Chemical Identity; Common Name(s)	CAS No.	%	OSHA PEL	ACGIH TLV	LD ₅₀ mg/Kg
Potassium Chloride (KCl)**	7447-40-7	<2	None Listed	None Listed	2,600 (ORL-RAT)
Deionized Water (H ₂ O)**	7732-18-5	>98	None Listed	None Listed	NA

Section III. PHYSICAL/CHEMICAL DATA AND CHARACTERISTICS

Boiling Point at 760 mmHg	101°C	Freezing Point	-1°C
Specific Gravity (H₂O = 1)	1.0	Vapor Pressure at 25°C	NA
pH at 25°C	5.5 to 8.0	Solubility in water, % by wt	Miscible
Volatiles, % by wt	None	Evaporation Rate (Butyl Acetate = 1)	NA
Vapor Density (AIR = 1)	NA		
Appearance and Odor	Colorless, odorless liquid		

Section IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) NA	Auto-ignition Temperature NA	Flammable Limits In air, % by volume:	Lower NA	Upper NA
Extinguishing Media Dry chemical, water, foam, or CO ₂				
Special Fire Fighting Procedures NONE, this solution is non-flammable				
Unusual Fire and Explosion Hazards NONE				

*Chemicals that are not classified as hazardous by U.S. OSHA guidelines (29 CFR Parts 1915.2 or 1916.2) will not necessarily be listed herein even though one or more may be in this product.

** Non-hazardous component

NA = Not available/Not applicable

