



MATERIAL SAFETY DATA SHEET

WQ-CL

Section I. Product Identification

Product Name: 1000ppm Chloride Standard solution (Cl)	Catalog No. SD2012-MSDS	Effective Date 10/23/02
Hazardous Shipment Labeling:	DOT None	IATA None
Prepared by 	Title Quality Assurance Chemist	
Approved by 	Title Director Regulatory Matters	

Section II - Hazard Ingredients/Identity Information

Hazardous Components Specific Chemical Identity; Common Name(s)	CAS No.	%	OSHA PEL	ACGIH TLV	LD ₅₀
Sodium Chloride (NaCl)	7647-14-5	5	None Listed	None Listed	3,000 (ORL-RAT)
Deionized Water (H ₂ O)	7732-18-5	99	None Listed	None Listed	190,000 (IPR-MUS)

Section III - Physical/Chemical Characteristics

Boiling Point 750mm Hg	100°C	Freezing Point	0°C
Specific Gravity (H₂O = 1)	1.0	Vapor Pressure at	NA
pH at 25 °C	(5.5- 7.5)	Solubility in water, % by wt at 25°C	Miscible
Volatiles, % by wt	NA	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) Not flammable	Flammable Limits	LEL NA	UEL 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			

Section V - Reactivity Data

Stability		Conditions to Avoid
Unstable	Stable X	None
Incompatibility (Materials to Avoid): None, suitable for any general storage.		
Hazardous Decomposition or Byproducts None		
Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur X	None



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Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? No	Skin? No	Ingestion? No
Health Hazards (Acute and Chronic) This product does not pose a serious acute or chronic hazard via skin or inhalation routes. Ingestion: Hypertension.			
Carcinogenicity: Not found on these lists.	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure None reported			
Medical Conditions Generally Aggravated by Exposure Hypertension in high blood pressure sufferers if ingested.			
Emergency and First Aid Procedures Skin and eyes - Wash off contact area with large amounts of water for 15 minutes. If ingested, induce vomiting. Consult a physician.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	Clean up and set aside for waste disposal.
Waste Disposal Method	Wash down drain with water. Observe all Federal, State and local laws when disposing of this product.
Precautions to Be taken in Handling and Storing Suitable for all general storage. NFPA Rating: Scale (0-4); Health - 0, Fire - 0, Reactivity - 0, Specific - None.	
Other Precautions SARA TITLE III: Not found on SARA 313 or Cal. Prop. 65 listing. Components are reported in EPA TSCA inventory.	

Section VIII - Control Measures

Respiratory Protection (Specify Type)	None			
Ventilation	Local Exhaust	None	Special	None
	Mechanical (General)	None	Other	None
Protective Gloves	None	Eye Protection	None	
Other Protective Clothing or Equipment	None			
Work/Hygienic Practices Emergency eyewash should be available. Wash hands after working with this product. No eating or drinking while working with this product.				