



# MATERIAL SAFETY DATA SHEET

SD0CL2-xxx

## Section I. Product Identification

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

## Section II - Hazard Ingredients/Identity Information

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

## Section III - Physical/Chemical Characteristics

<b>Boiling Point 750mm Hg</b>	100°C	<b>Freezing Point</b>	0°C
<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.0	<b>Vapor Pressure at</b>	NA
<b>pH at 25 °C</b>	(5.5- 7.5)	<b>Solubility in water, % by wt at 25°C</b>	Miscible
<b>Volatiles, % by wt</b>	NA	<b>Evaporation Rate (Butyl Acetate = 1)</b>	NA
<b>Vapor Density (AIR = 1)</b> NA			
<b>Appearance and Odor</b> Colorless, Odorless liquid			

## Section IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b> Not flammable	<b>Flammable Limits</b>	<b>LEL</b> NA	<b>UEL</b> NA
<b>Extinguishing Media</b> Dry chemical, water, foam or CO <sub>2</sub>			
<b>Special Fire Fighting Procedures</b> None, this solution is non-flammable			
<b>Unusual Fire and Explosion Hazards</b> None			

## Section V - Reactivity Data

<b>Stability</b>		<b>Conditions to Avoid</b>
Unstable	Stable X	None
<b>Incompatibility (Materials to Avoid):</b> None, suitable for any general storage.		
<b>Hazardous Decomposition or Byproducts</b> None		
<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>
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
<b>Health Hazards (Acute and Chronic)</b> 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.			
<b>Emergency and First Aid Procedures</b> 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.
<b>Precautions to Be taken in Handling and Storing</b> Suitable for all general storage. NFPA Rating: Scale (0-4); Health - 0, Fire - 0, Reactivity - 0, Specific - None.	
<b>Other Precautions</b> 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			
<b>Work/Hygienic Practices</b> Emergency eyewash should be available. Wash hands after working with this product. No eating or drinking while working with this product.				