

### Section I: Product Identification

CATALOG NUMBER: 1000/4100/4102/4103/6100/6102	PRODUCT NAME: Total Residual Chlorine
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### Section II - Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
No hazardous component greater than 1% by weight.			

### Non-Hazardous Ingredients/Identity Information

Chemical Name	CAS Reg. No.	OSHA PEL (TWA)	% Composition*
Water, Sodium Hypochlorite			100%

\* Components are calculated on a weight/weight basis.

### Section III - Physical/Chemical Characteristics of Hazardous Ingredients

BOILING POINT: >100 C		SPECIFIC GRAVITY: (H20=1)	
VAPOR PRESSURE: 760 mm Hg @ 100 C	SOLUBILITY IN WATER: Complete	APPEARANCE/ODOR: Clear, colorless liquid, may have a slight chlorine odor.	

BOILING POINT:		SPECIFIC GRAVITY:	
VAPOR PRESSURE:	SOLUBILITY IN WATER:	APPEARANCE/ODOR:	

### Section IV - Fire and Explosion Hazard Data

FLASH POINT (Method used): Not available	AUTO IGNITION TEMPERATURE: Not available	FLAMMABLE LIMITS Not available	LEL	UEL
EXTINGUISHING MEDIA: Non-flammable, use extinguisher media appropriate for the surrounding fire.				
SPECIAL FIRE FIGHTING PROCEDURES:				
UNUSUAL FIRE AND EXPLOSION HAZARDS:				

**Section V - Reactivity Data**

STABILITY:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid: None Known
INCOMPATIBILITY (Materials to avoid): Water reactive materials.			
HAZARDOUS DECOMPOSITION PRODUCTS: None known			
HAZARDOUS POLYMERIZATION:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid:

**Section VI - Health Hazard Data**

<b>ROUTES OF ENTRY</b>	Inhalation?	Skin?	Ingestion?
HEALTH HAZARDS (Acute and Chronic): ACUTE: None known CHRONIC: None known			
COMPONENTS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS:			
SIGNS AND SYMPTOMS OF EXPOSURE: None known			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known			
EMERGENCY AND FIRST AID PROCEDURES: Seek medical assistance for treatment, observation and support if necessary. EYE CONTACT: Flush with water. SKIN CONTACT: Flush with water. INHALATION: N/A INGESTION: Drink excess water to dilute the hypochlorite.			

**Section VII - Precautions for Safe Handling and Use**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb and dispose of material, may be flushed to sewer.
WASTE DISPOSAL METHOD: Dispose as non-hazardous waste, may be flushed to sewer.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Treat as non-hazardous sample.
OTHER PRECAUTIONS* Analytical standards should never be heated or evaporated to dryness.

**Section VIII - Control Measures**

RESPIRATORY PROTECTION (Please specify): None required	
VENTILATION: Local exhaust	
PROTECTIVE GLOVES: None required	EYE PROTECTION: Safety glasses
OTHER PROTECTIVE EQUIPMENT:	
EMERGENCY WASH FACILITIES: Maintain eye wash and quick drench showers in work area.	

The information stated in this Material Safety Data Sheet (MSDS) is believed to be correct on the date of publication and must not be considered all conclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. Persons not specifically and properly trained should not handle this chemical or its container. This MSDS is provided without any warranty expressed or implied, including merchantability or fitness for any particular purpose.

This product is furnished for laboratory use ONLY! Our standards may not be used as drugs, cosmetics, agricultural or pesticidal products, food additives or as house hold chemicals.

\* Various Government agencies (i.e., Department of Transportation, Occupational Safety and Health Administration, Environmental Protection Agency, and others) may have specific regulations concerning the transportation, handling, storage or use of this product which may not be contained herein. The customer or user of this product should be familiar with these regulations.