



The Clorox Company of Canada, Ltd.  
150 Biscayne Crescent  
Brampton, Ontario  
L6W 4V3

Material Safety  
Data Sheet

### SECTION 1 - PRODUCT IDENTIFICATION AND USE

<b>PRODUCT NAME:</b> CLOROX® COMMERCIAL SOLUTIONS™ ULTRA CLOROX® DISINFECTING BLEACH - DIN 02333007	<b>PRODUCT IDENTIFICATION NUMBER:</b> Not applicable.
<b>PRODUCT USE:</b> Hard surface disinfecting bleach	
<b>MANUFACTURER</b> The Clorox Company of Canada, Ltd. 150 Biscayne Crescent Brampton, Ontario L6W 4V3 EMERGENCY PHONE NO.: 1-800-446-1014	<b>SUPPLIER</b> The Clorox Company of Canada, Ltd. 150 Biscayne Crescent Brampton, Ontario L6W 4V3 EMERGENCY PHONE NO.: 1-800-446-1014

### SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredient	% (w/w)	CAS Number	LD50 of Material (Specify Species & Route)	LC50 of Material (Specify Species)
Sodium hypochlorite	5 - 8	7681-52-9	13 g/kg (5.25% NaOCl, rat, oral)	Not available.

### SECTION 3 - PHYSICAL DATA

<b>Physical State:</b> Liquid	<b>Odour &amp; Appearance:</b> Clear, lime-yellow, thin liquid with characteristic bleach odour.	<b>Odour Threshold:</b> Not available.	<b>Specific Gravity:</b> ≈1.1 at 20°C
<b>Vapour Pressure:</b> Not available.	<b>Vapour Density:</b> N. Av.	<b>Evaporation Rate:</b> N. Av.	<b>Boiling Point:</b> N. Av.
<b>% Volatile (by volume):</b> 85 - 90	<b>Solubility in Water:</b> Complete.	<b>pH:</b> 11 - 12	<b>Freezing Point:</b> N. Av.
		<b>Coeff. of Water/Oil Dist.:</b> Not available.	

### SECTION 4 - FIRE AND EXPLOSION DATA

<b>Flammability:</b> Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> If yes, under which conditions?		
<b>Means of Extinction:</b> Not flammable.		
<b>Special Procedures:</b> In a fire, cool containers to prevent rupture and release of sodium chlorate.		
<b>Flashpoint &amp; Method:</b> Not applicable.	<b>Upper Flammable Limit (% by volume):</b> Not applicable.	<b>Lower Flammable Limit (% by volume):</b> Not applicable.
<b>Autoignition Temperature:</b> N. Ap.	<b>Hazardous Combustion Products:</b> Not applicable.	
<b>Explosion Data - Sensitivity to Impact:</b> Not applicable.		<b>Explosion Data - Sensitivity to Static Discharge:</b> Not applicable.

### SECTION 5 - REACTIVITY DATA

<b>Chemical Stability:</b> Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> If no, under which conditions?	
<b>Incompatibility with other substances:</b> Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> If so, which ones?	Reacts with other chemicals such as toilet bowl cleaners, rust removers, acids, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds. Avoid contact with metals, reducing agents, and other oxidizing agents.
<b>Reactivity, if any, and under what conditions?</b>	See above.
<b>Hazardous decomposition products?</b>	Exposure to extreme heat may release sodium chlorate.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

<b>Route of Entry?</b> Skin Contact: <u> X </u> Skin Absorption: <u>    </u> Eye Contact: <u> X </u> Inhalation Acute: <u> X </u> Inhalation Chronic: <u>    </u> Ingestion: <u> X </u>			
<b>Effects of Acute Exposure to Material:</b> May cause severe irritation or damage (burns) to eyes, skin, gastrointestinal tract, and respiratory tract. Harmful if swallowed. Exposure to high concentrations of vapour or mist may aggravate the following medical conditions: heart conditions or chronic respiratory problems such as asthma, emphysema, chronic bronchitis, or obstructive lung disease.			
<b>Effects of Chronic Exposure to Material:</b> See Sensitization section below.			
<b>Exposure Limits (TLV, ACGIH):</b> Not applicable.	<b>Irritancy of Material:</b> Corrosive to eyes. Severely irritating or corrosive to skin, nose, lungs, throat, and gastrointestinal tract.	<b>Sensitization Property of Material:</b> Some clinical reports suggest a low potential for skin sensitization upon exaggerated exposure to sodium hypochlorite if skin damage occurs during exposure.	<b>Carcinogenicity of Material:</b> Not a carcinogen.
<b>Teratogenicity/Embryotoxicity:</b> Not teratogenic or embryotoxic.	<b>Reproductive Toxicity:</b> Not a reproductive toxicant.	<b>Mutagenicity:</b> Not mutagenic.	<b>Synergistic Materials:</b> None known.

## SECTION 7 - PREVENTATIVE MEASURES

<b>Personal Protective Equipment:</b>		
<b>Gloves (specify):</b> Wear nitrile, neoprene, butyl rubber, or other protective gloves.	<b>Respirator (specify):</b> In situations where high concentrations of vapour or mist may be generated, a NIOSH-approved respirator is advised.	<b>Eye (specify):</b> Safety glasses.
<b>Footwear (specify):</b> Not applicable.	<b>Clothing (specify):</b> Not applicable.	<b>Other (specify):</b> Not applicable.
<b>Engineering Controls (specify, e.g. ventilation, enclosed process):</b> Use general ventilation to minimize exposure to product vapour or mist.		
<b>Leak and Spill Procedure:</b> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. For spills of multiple products, responders should evaluate the MSDS's of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.		
<b>Waste Disposal:</b> Dispose of in accordance with existing federal, provincial, and municipal environmental regulations.		
<b>Handling Procedures &amp; Equipment:</b> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Do not reuse empty container. Rinse container and replace cap before recycling or discarding.		
<b>Storage Requirements:</b> <b>STORE AWAY FROM CHILDREN.</b> Reclose cap tightly after each use. Store this product upright in a cool, dry area away from direct sunlight and heat to avoid deterioration.		
<b>Special Shipping Information:</b> Not restricted per TDG regulations.		

## SECTION 8 - FIRST AID MEASURES

<b>Eye Contact:</b> If in eyes, rinse with water for 15 minutes. Call a doctor immediately.
<b>Skin Contact:</b> If on skin, rinse well with water. If on clothes, remove clothes. If irritation persists, call a doctor.
<b>Ingestion:</b> If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting.
<b>Inhalation:</b> If breathed in, move person to fresh air. If breathing problems develop, call a doctor.

## SECTION 9 - PREPARATION DATE OF MSDS

<b>Prepared by (group, department, etc.)</b> Clorox Services Company	<b>Phone Number:</b> 1-925-425-6100	<b>Date:</b> July 19, 2010	V1
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N. Av. = Not available.

N. Ap. = Not applicable.