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

Material Safety
Data Sheet

SECTION 1 - PRODUCT IDENTIFICATION AND USE

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

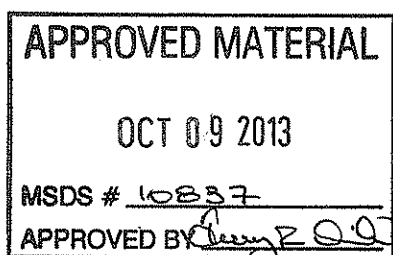
Physical State: Liquid	Odour & Appearance: Clear, lime-yellow, thin liquid with characteristic bleach odour.	Odour Threshold: Not available.	Specific Gravity: ≈1.1 at 20°C
Vapour Pressure: Not available.	Vapour Density: N. Av.	Evaporation Rate: N. Av.	Boiling Point: N. Av.
% Volatile (by volume): 85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

SECTION 4 - FIRE AND EXPLOSION DATA

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

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes: <u>X</u> No: ___ If no, under which conditions?	
Incompatibility with other substances: Yes: <u>X</u> No: ___ 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.
Reactivity, if any, and under what conditions?	See above.
Hazardous decomposition products?	Exposure to extreme heat may release sodium chlorate.



SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry?			
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>			
Effects of Acute Exposure to Material: 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.			
Effects of Chronic Exposure to Material: See Sensitization section below.			
Exposure Limits (TLV, ACGIH): Not applicable.	Irritancy of Material: Corrosive to eyes. Severely irritating or corrosive to skin, nose, lungs, throat, and gastrointestinal tract.	Sensitization Property of Material: Some clinical reports suggest a low potential for skin sensitization upon exaggerated exposure to sodium hypochlorite if skin damage occurs during exposure.	Carcinogenicity of Material: Not a carcinogen.
Teratogenicity/Embryotoxicity: Not teratogenic or embryotoxic.	Reproductive Toxicity: Not a reproductive toxicant.	Mutagenicity: Not mutagenic.	Synergistic Materials: None known.

SECTION 7 - PREVENTATIVE MEASURES

Personal Protective Equipment:			
Gloves (specify): Wear nitrile, neoprene, butyl rubber, or other protective gloves.	Respirator (specify): In situations where high concentrations of vapour or mist may be generated, a NIOSH-approved respirator is advised.	Eye (specify): Safety glasses.	
Footwear (specify): Not applicable.	Clothing (specify): Not applicable.	Other (specify): Not applicable.	
Engineering Controls (specify, e.g. ventilation, enclosed process): Use general ventilation to minimize exposure to product vapour or mist.			
Leak and Spill Procedure: 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.			
Waste Disposal: Dispose of in accordance with existing federal, provincial, and municipal environmental regulations.			
Handling Procedures & Equipment: 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.			
Storage Requirements: STORE AWAY FROM CHILDREN. Reclose cap tightly after each use. Store this product upright in a cool, dry area away from direct sunlight and heat to avoid deterioration.			
Special Shipping Information: Not restricted per TDG regulations.			

SECTION 8 - FIRST AID MEASURES

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

SECTION 9 - PREPARATION DATE OF MSDS

Prepared by (group, department, etc.) Clorox Services Company	Phone Number: 1-925-425-6100	Date: July 19, 2013	V1
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N. Av. = Not available.

N. Ap. = Not applicable.