



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™ CLOROX® CLEAN-UP® DISINFECTANT DILUTABLE BLEACH CLEANER - DIN 02319470		PRODUCT IDENTIFICATION NUMBER: Not applicable.
PRODUCT USE: Disinfecting dilutable bleach cleaner for hospital, food processing, and institutional use		
MANUFACTURER		SUPPLIER
Clorox Products Manufacturing Company 1221 Broadway Oakland, California 94612 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	1 - 3	7681-52-9	13 g/kg (5.25% NaOCl, rat, oral)	Not available.
Sodium hydroxide	0.1 - 1	1310-73-2	Not available.	Not available.

SECTION 3 - PHYSICAL DATA

Physical State: Liquid	Odour & Appearance: Clear, faint yellow, thin liquid with a citrus, herbaceous, bleach odour.	Odour Threshold: Not available.	Specific Gravity: ≈1.03 at 25°C
Vapour Pressure: Not available.	Vapour Density: N. Av.	Evaporation Rate: N. Av.	Boiling Point: N. Av.
% Volatile (by volume): >95	Solubility in Water: Complete.	pH: 12.4 - 12.8	Coef. of Water/Oil Dist.: Not available.
Freezing Point: N. Av.			

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> 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: >93°C (closed cup)	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: <input checked="" type="checkbox"/> No: <input type="checkbox"/> If no, under which conditions?	
Incompatibility with other substances: 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.
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: Direct eye or prolonged skin contact may cause irritation. Ingestion may cause nausea and vomiting. Exposure to vapour or mist may irritate eyes, nose, throat, or lungs. 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. Clinical testing with this product on intact skin showed no induction of sensitization in test subjects.			
Exposure Limits (TLV, ACGIH): Sodium hydroxide - 2 mg/m ³ - Ceiling limit	Irritancy of Material: Moderately irritating to eyes, 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 rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.	Respirator (specify): In situations where exposure limits may be exceeded, 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 MSDSs 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:	Do not use or mix with toilet bowl cleaners, rust removers, acids, or products containing ammonia. To do so will release dangerous fumes. Use only in a well-ventilated area. Wash hands with soap and water after use. Do not wear product-contaminated clothing for prolonged periods. Avoid contact with foods.	
Storage Requirements:	Store in a cool place.	
Special Shipping Information:	Not restricted per TDG regulations.	

SECTION 8 - FIRST AID MEASURES

Eye Contact:	If in eyes, rinse with water for 15 minutes. If irritation persists, call a doctor.
Skin Contact:	If on skin, rinse well with water. 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: January 28, 2015	V1
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N. Av. = Not available.

N. Ap. = Not applicable.