



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

Material Safety
Data Sheet

SECTION 1 - PRODUCT IDENTIFICATION AND USE

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| PRODUCT NAME: CLOROX COMMERCIAL SOLUTIONS™ CLOROX® BLEACH CREAM CLEANSER | | PRODUCT IDENTIFICATION NUMBER: Not applicable. |
| PRODUCT USE: Bleach cleanser for hard surfaces | | |
| 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) |
|--------------------------|---------|---------------------------------------|--|------------------------------------|
| Calcium carbonate | 15 - 25 | 471-34-1 | 6.45 g/kg (rat, oral) | Not available. |
| Sodium hypochlorite | 1 - 5 | 7681-52-9 | 13 g/kg (5.25% NaOCl, rat, oral) | Not available. |
| Alkyldimethylamine oxide | 1 - 5 | 1643-20-5, 3332-27-2, 7128-91-8 | Not available. | Not available. |
| Titanium dioxide | 0.1 - 1 | 13463-67-7 | Not available. | Not available. |
| Sodium hydroxide | 0.1 - 1 | 1310-73-2 | Not available. | Not available. |

SECTION 3 - PHYSICAL DATA

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| Physical State: Liquid | Odour & Appearance: Light green, viscous liquid with a floral, bleach odour. | Odour Threshold: Not available. | Specific Gravity: ~1.2 | |
| Vapour Pressure: Not available. | Vapour Density: N. Av. | Evaporation Rate: N. Av. | Boiling Point: N. Av. | Freezing Point: N. Av. |
| % Volatile (by volume): 65 - 75 | Solubility in Water: Appreciable. | pH (10% dilution): ~12 | Coeff. of Water/Oil Dist.: Not available. | |

SECTION 4 - FIRE AND EXPLOSION DATA

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| 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: 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

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| 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

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| Route of Entry? Skin Contact: <input checked="" type="checkbox"/> Skin Absorption: <input type="checkbox"/> Eye Contact: <input checked="" type="checkbox"/> Inhalation Acute: <input type="checkbox"/> Inhalation Chronic: <input type="checkbox"/> Ingestion: <input type="checkbox"/> | | | |
| Effects of Acute Exposure to Material: Direct eye or prolonged skin contact may cause irritation. | | | |
| Effects of Chronic Exposure to Material: See Sensitization section below. | | | |
| Exposure Limits (TLV, ACGIH): Sodium hydroxide - 2 mg/m ³ - Ceiling limit Titanium dioxide - 10 mg/m ³ | Irritancy of Material: Moderately irritating to eyes and skin. | 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: This product contains titanium dioxide. IARC Monographs (Volume 93 - in preparation) state that there is inadequate evidence of the carcinogenicity of titanium dioxide in humans and sufficient evidence of its carcinogenicity in experimental animals. IARC classification Group 2B for titanium dioxide. |
| Teratogenicity/Embryotoxicity: Not teratogenic or embryotoxic. | Reproductive Toxicity: Not a reproductive toxicant. | Mutagenicity: Not mutagenic. | Synergistic Materials: None known. |

SECTION 7 - PREVENTATIVE MEASURES

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| 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

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| 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

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| Prepared by (group, department, etc.) Clorox Services Company | Phone Number: 1-925-425-6100 | Date: February 7, 2011 | V1 |
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N. Av. = Not available.

N. Ap. = Not applicable.