



The Clorox Company
 1221 Broadway
 Oakland, CA 94612
 Tel. (510) 271-7000

Material Safety Data Sheet

I Product:	CLOROX® DUAL ACTION TOILET BOWL CLEANER	
Description:	YELLOW AND BLUE LIQUIDS IN DUAL-CHAMBERED BOTTLE	
Other Designations	Distributor	Emergency Telephone Nos.
	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

II Health Hazard Data	III Hazardous Ingredients		
<u>Eye Irritant:</u> Eye and skin contact with product from individual or mixed chambers may result in irritation. The yellow chamber contains hydrogen peroxide, which may cause skin whitening after prolonged contact with the concentrated product.	<u>Ingredient</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>
<u>FIRST AID:</u>	Hydrogen peroxide CAS #7722-84-1 (Yellow Chamber)	1-5%	1 ppm TLV-TWA, PEL
<u>EYE CONTACT:</u> Flush eyes with water for at least 15 minutes. Call a physician.	Ethanol CAS# 64-17-5 (Yellow and/or blue chamber)	1-5%	1000ppm TLV-TWA 1900 ppm PEL-TWA
<u>INGESTION:</u> Drink a glassful of water to dilute. Call a physician.	Formic Acid CAS# 64-18-6 (Blue chamber)	1-5%	5 ppm TLV TWA 5 ppm PEL-TWA 10 ppm TWA-STEEL
<u>SKIN CONTACT:</u> Rinse thoroughly with water. If irritation persists, call a physician.	None of the ingredients in this product is on the IARC, OSHA or NTP carcinogen lists.		
<u>INHALATION:</u> Move to fresh air. If breathing is affected or if irritation persists, call a physician.	TLV-TWA = Threshold Limit Value - Time Weighted Average (ACGIH) PEL = Permissible Exposure Level (OSHA) STEL= Short term Exposure Limit (ACGIH) ACGIH = American Conference of Governmental Industrial Hygienists		
<u>KEEP OUT OF THE REACH OF CHILDREN.</u>			

IV Special Protection and Precautions	V Transportation and Regulatory Data
The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale, or prolonged exposure:	<u>U.S. DOT/IMDG/IATA:</u> Not Restricted
<u>Hygienic Practices:</u> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.	<u>EPA-CERCLA/SARA Title III:</u> This product is regulated under Sections 311/312. This product contains formic acid (CAS # 64-18-6), which is regulated under Section 313, and no chemicals regulated under 304/CERCLA.
<u>Engineering Controls:</u> Use local exhaust to minimize exposure to product mist.	<u>TSCA - All chemicals in this product are listed on the TSCA Inventory</u>
<u>Personal Protective Equipment:</u> Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.	

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<u>Spill Procedures:</u> Absorb and containerize. Wash down residual to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.	Do not heat. Do not mix with bleach containing products, alkalis, oxidizing agents, reducing agents, nitrates, organic liquids, or metals.
<u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state, and local regulations.	

VIII Fire and Explosion Data	IX Physical Data
Flashpoint –Yellow chamber (Closed Cup) = >203 °F Flashpoint –Blue chamber (Closed Cup) = >203 °F Flashpoint –combined chambers (Closed Cup) = >203 °F	pH - yellow chamber ~2.7 pH - blue chamber ~1.9-2.1 pH - combined chambers 2.3-2.45 Solubility in water Complete Specific Gravity ~1.0
Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO ₂), foam or water spray.	