



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

Material Safety Data Sheet

I Product: CLOROX COMMERCIAL SOLUTIONS® - CLOROX® HAND SANITIZER											
Description: CLEAR ALCOHOL SOLUTION WITH FRESH, CLEAN FRAGRANCE											
Other Designations	Distributor	Emergency Telephone Nos.									
		For Medical Emergencies call: (800) 446-1014									
II Health Hazard Data		III Hazardous Ingredients									
Eye irritant. May be harmful if swallowed; may cause mental and physical disabilities associated with alcohol intoxication. Inhalation of excess vapors may cause irritation of throat, headache and drowsiness. No medical conditions are known to be aggravated by exposure to this product. <u>FIRST AID:</u> <u>EYE CONTACT:</u> Do not rub eyes. Immediately rinse with plenty of water for at least 15 minutes. If irritation persists, call a doctor. <u>INGESTION:</u> Do not induce vomiting. Call a doctor or poison control center. <u>SKIN CONTACT:</u> Not applicable <u>INHALATION:</u> Remove to fresh air. If breathing problems develop, call a doctor.		<table border="1"><thead><tr><th>Ingredient</th><th>Concentration</th><th>Worker Exposure Limit</th></tr></thead><tbody><tr><td>Ethyl Alcohol CAS# 64-17-5</td><td>66 – 76%</td><td>1000 ppm – OSHA PEL^b & TLV-TWA^a</td></tr><tr><td>Isopropyl alcohol CAS #67-63-0</td><td>5 - 9%</td><td>200 ppm - TLV-TWA^a 400 ppm - PEL^b 400 ppm - TLV-STEL^c</td></tr></tbody></table> ^aTLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average ^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average ^cTLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.	Ingredient	Concentration	Worker Exposure Limit	Ethyl Alcohol CAS# 64-17-5	66 – 76%	1000 ppm – OSHA PEL ^b & TLV-TWA ^a	Isopropyl alcohol CAS #67-63-0	5 - 9%	200 ppm - TLV-TWA ^a 400 ppm - PEL ^b 400 ppm - TLV-STEL ^c
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IV Special Protection and Precautions		V Transportation and Regulatory Data									
<u>Hygienic Practices:</u> Do not wear product-contaminated clothing for prolonged periods. <u>Engineering Controls:</u> In situations where exposure limits may be exceeded, use local exhaust to minimize exposure to product mist. <u>Personal Protective Equipment:</u> In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.		<u>DOT:</u> Consumer commodity, ORM-D. <u>EPA - SARA Title III/CERCLA:</u> This product is regulated under Sections 311/312. This product contains no chemicals which are regulated under Section 313 and Section 304/CERCLA. <u>TSCA/DSL STATUS:</u> All components of this product are on the U.S. TSCA Inventory and Canadian DSL.									
VI Spill Procedures/Waste Disposal		VII Reactivity Data									
<u>Spill Procedures:</u> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. <u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state, and local regulations.		Stable under normal use and storage conditions.									
VIII Fire and Explosion Data		IX Physical Data									
Avoid contact with ignition sources since product is flammable. Keep away from fire or flame. Keep containers sealed. Avoid freezing conditions. <u>Flash Point:</u> 70°F (Tag Closed Cup method) <u>Fire Extinguishing Agents:</u> Dry chemical, carbon dioxide (CO₂), foam, or water spray.		pH.....~4.5 – 9.5 Specific gravity.....~0.87 Solubility in waterSoluble									