



The Clorox Company
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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									
<p>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.</p> <p>No medical conditions are known to be aggravated by exposure to this product.</p> <p>FIRST AID:</p> <p>EYE CONTACT: Do not rub eyes. Immediately rinse with plenty of water for at least 15 minutes. If irritation persists, call a doctor.</p> <p>INGESTION: Do not induce vomiting. Call a doctor or poison control center.</p> <p>SKIN CONTACT: Not applicable</p> <p>INHALATION: Remove to fresh air. If breathing problems develop, call a doctor.</p>	<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> <p>^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</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	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									
<p>Hygienic Practices: Do not wear product-contaminated clothing for prolonged periods.</p> <p>Engineering Controls: In situations where exposure limits may be exceeded, use local exhaust to minimize exposure to product mist.</p> <p>Personal Protective Equipment: In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</p>	<p>DOT: Consumer commodity, ORM-D.</p> <p>EPA - SARA Title III/CERCLA: This product is regulated under Sections 311/312. This product contains no chemicals which are regulated under Section 313 and Section 304/CERCLA.</p> <p>TSCA/DSL STATUS: All components of this product are on the U.S. TSCA Inventory and Canadian DSL.</p>									
VI Spill Procedures/Waste Disposal	VII Reactivity Data									
<p>Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.</p> <p>Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p>									
VIII Fire and Explosion Data	IX Physical Data									
<p>Avoid contact with ignition sources since product is flammable. Keep away from fire or flame. Keep containers sealed. Avoid freezing conditions.</p> <p>Flash Point: 70°F (Tag Closed Cup method)</p> <p>Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO₂), foam, or water spray.</p>	<p>pH.....~4.5 – 9.5</p> <p>Specific gravity.....~0.87</p> <p>Solubility in waterSoluble</p>									