



Clorox Professional Products Company  
1221 Broadway  
Oakland, CA 94612  
Tel. (810) 271-7000

## Material Safety Data Sheet

<b>I Product:</b> <b>Description:</b> <b>Other Designations</b>		<b>S.O.S® HEAVY DUTY MULTI-PURPOSE CLEANER - LEMON SCENT</b> <b>CLEAR, YELLOW, FRAGRANCED LIQUID</b>											
		<b>Distributor</b>	<b>Emergency Telephone Nos.</b>										
		Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014. For Transportation Emergencies, call 1-800-424-2300 (Chemtrec).										
<b>II Health Hazard Data</b>		<b>III Hazardous Ingredients</b>											
<p>Causes substantial but temporary eye injury. Harmful if absorbed through the skin.</p> <p>There are no known medical conditions aggravated by exposure to this product.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Hold eye open and rinse with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If irritation persists, call a doctor.</p> <p><b>SKIN CONTACT:</b> Take off contaminated clothing. Rinse skin with water for 15-20 minutes. If irritation develops, call a doctor.</p> <p><b>INGESTION:</b> Do not induce vomiting. Drink a glassful of water. Do not give anything by mouth to an unconscious person. Call a doctor or poison control center.</p> <p><b>INHALATION:</b> Remove to fresh air. If breathing is affected, call a doctor.</p>		<table> <thead> <tr> <th><u>Ingredient</u></th> <th><u>Concentration</u></th> <th><u>Exposure Limit</u></th> </tr> </thead> <tbody> <tr> <td>Didodecyl dimethyl ammonium chloride CAS# 7173-51-5</td> <td>0.94%</td> <td>Not established.</td> </tr> <tr> <td>n-Alkyl(C<sub>12</sub>-C<sub>16</sub>) dimethylbenzyl ammonium chloride CAS# 8001-54-5</td> <td>0.62%</td> <td>Not established.</td> </tr> </tbody> </table> <p>None of the ingredients in this product are on the IARC, NTP, or OSHA carcinogen lists.</p>			<u>Ingredient</u>	<u>Concentration</u>	<u>Exposure Limit</u>	Didodecyl dimethyl ammonium chloride CAS# 7173-51-5	0.94%	Not established.	n-Alkyl(C <sub>12</sub> -C <sub>16</sub> ) dimethylbenzyl ammonium chloride CAS# 8001-54-5	0.62%	Not established.
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<b>IV Special Protection and Precautions</b>		<b>V Transportation and Regulatory Data</b>											
<p><b>Hygienic Practices:</b> Wash hands after direct contact. Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to vapor or mist.</p> <p><b>Personal Protective Equipment:</b> Wear goggles or safety glasses. Use gloves if prolonged contact is expected.</p>		<p><b>DOT/IMATA/IMDG:</b> Not restricted.</p> <p><b>TSCA:</b> All chemicals in this product are listed or exempt from listing on the TSCA Inventory.</p> <p><b>EPA- SARA Title III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 304/CERCLA or Section 313.</p>											
<b>VI Spill Procedures/Waste Disposal</b>		<b>VII Reactivity Data</b>											
<p><b>Spill Procedures:</b> 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><b>Waste Disposal:</b> Disposal must be made in accordance with applicable federal, state, and local regulations.</p>		<p><b>Stability:</b> Stable</p> <p><b>Hazardous polymerization:</b> Will not occur</p> <p><b>Storage/Disposal:</b> Do not use or store near heat or open flames. Store at temperatures below 140°F</p>											
<b>VIII Fire and Explosion Data</b>		<b>IX Physical Data</b>											
<p><b>Flashpoint:</b> &gt;200°F</p> <p><b>Fire Extinguishing Agents:</b> Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), alcohol foam.</p> <p><b>Unusual Fire and Explosion Hazards:</b> May produce toxic vapors/fumes of hydrogen chloride, amines and other organic material, and oxides of carbon and nitrogen.</p>		<p><b>pH</b> ..... 10-11</p> <p><b>Specific gravity</b> ..... ~1.0</p> <p><b>Solubility in water</b> ..... Appreciable</p>											

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

## Material Safety Data Sheet

<b>I Product:</b>	9.0% HEAVY DUTY ALL PURPOSE CLEANER WITH BLEACH										
<b>Description:</b>	CLEAR, FAINT YELLOW LIQUID WITH CHARACTERISTIC BLEACH ODOR										
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>									
	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300									
<b>II Health Hazard Data</b>		<b>III Hazardous Ingredients</b>									
<p>Moderate eye irritant. Mild to moderate skin irritant. Occasional clinical reports suggest a low potential for skin sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g., irritation) occurs during exposure. Routine clinical tests conducted on intact skin with this product found no sensitization in the test subjects. Exposure to vapor or mist may irritate eyes, nose, throat, lungs. Harmful if swallowed. May cause nausea and vomiting if swallowed. The following medical conditions may be aggravated by exposure to high concentrations of vapor or mist: heart conditions or chronic respiratory problems such as asthma, emphysema, chronic bronchitis or obstructive lung disease. Under normal consumer-use conditions, the likelihood of any adverse health effects is low.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Remove any contact lenses, and flush eyes thoroughly with water for 15 minutes. If irritation persists, call a physician.</p> <p><b>SKIN CONTACT:</b> Remove contaminated clothing; wash affected skin with water.</p> <p><b>IF BREATHING IS AFFECTED:</b> Get fresh air immediately.</p> <p><b>IF SWALLOWED:</b> Drink a glass of water. Call a physician.</p>		<table> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hypochlorite CAS #7681-52-9</td> <td>1-5%</td> <td>none established</td> </tr> <tr> <td>Sodium hydroxide CAS #1310-73-2</td> <td>0.5-2%</td> <td>2 mg/m<sup>3</sup> Ceiling-TLV 2 mg/m<sup>3</sup>, Ceiling-Federal OSHA PEL</td> </tr> </tbody> </table> <p>TLV = Threshold Limit Value PEL = Permissible Exposure Limit</p> <p>Source: ACGIH 1992-1993 Source: OSHA</p> <p>None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Sodium hypochlorite CAS #7681-52-9	1-5%	none established	Sodium hydroxide CAS #1310-73-2	0.5-2%	2 mg/m <sup>3</sup> Ceiling-TLV 2 mg/m <sup>3</sup> , Ceiling-Federal OSHA PEL
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<b>IV Special Protection and Precautions</b>		<b>V Transportation and Regulatory Data</b>									
<p><b>Hygienic Practices:</b> Do not get in eyes or on clothing. Avoid prolonged or repeated skin contact. Avoid prolonged breathing of vapor. Use only in well-ventilated areas.</p> <p><b>Personal Protection:</b> Wear safety glasses. For sensitive skin or repeated/prolonged use, wear gloves.</p> <p><b>Ventilation:</b> Use general ventilation to minimize exposure to gases or aerosols associated with this product.</p>		<p><b>U.S. DOT Hazard Class:</b> Not restricted</p> <p><b>U.S. DOT Proper Shipping Name:</b> Compound, cleaning, liquid</p> <p><b>EPA SARA TITLE III/CERCLA:</b> This product contains no chemicals regulated under Section 313 and contains sodium hydroxide (CAS # 1310-73-2, &lt;1%) which is regulated under Section 304/CERCLA. Packaged product may be regulated under Sections 311/312 of SARA Title III.</p> <p><b>TSCA:</b> All chemicals in this product are listed on the TSCA Inventory</p>									
<b>VI Spill Procedures/Waste Disposal</b>		<b>VII Reactivity Data</b>									
<p><b>Spill Procedures:</b> Absorb and containerize. Wash down residual to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.</p> <p><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>		<p>Stable under normal use and storage conditions. Strong oxidizing agent. Reacts with other household chemicals such as toilet bowl cleaners, rust removers, acids or ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds. Prolonged contact with metal or old porcelain may cause pitting or discoloration.</p>									
<b>VIII Fire and Explosion Data</b>		<b>IX Physical Data</b>									
<p><b>Flashpoint:</b> greater than 200°F</p> <p><b>Fire Extinguishing Agents:</b> Water spray, dry chemical or carbon dioxide (CO<sub>2</sub>).</p> <p><b>Special Fire-Fighting Procedures:</b> None</p> <p><b>Unusual Fire and Explosion Hazards:</b> None</p>		<p><b>Appearance:</b> Clear, faint yellow liquid</p> <p><b>Odor:</b> Characteristic bleach odor</p> <p><b>pH:</b> 12.4 - 12.6</p> <p><b>Solubility in water:</b> Completely soluble</p> <p><b>Specific gravity (water = 1):</b> 1.034 at 25 °C</p>									