



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

Material Safety Data Sheet

I Product: S.O.S® HEAVY DUTY MULTI-PURPOSE CLEANER – LEMON SCENT										
Description: CLEAR, YELLOW, FRAGRANCED LIQUID										
Other Designations	Distributor									
	Clorox Sales Company 1221 Broadway Oakland, CA 94612									
Emergency Telephone Nos.										
For Medical Emergencies, call 1-800-446-1014. For Transportation Emergencies, call 1-800-424-2300 (Chemtrec).										
II Health Hazard Data	III Hazardous Ingredients									
<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>FIRST AID:</p> <p>EYE CONTACT: 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>SKIN CONTACT: Take off contaminated clothing. Rinse skin with water for 15-20 minutes. If irritation develops, call a doctor.</p> <p>INGESTION: 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>INHALATION: Remove to fresh air. If breathing is affected, call a doctor.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Didecyl dimethyl ammonium chloride CAS# 7173-51-5</td> <td>0.94%</td> <td>Not established.</td> </tr> <tr> <td>n-Alkyl(C₁₂-C₁₈) 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>	Ingredient	Concentration	Exposure Limit	Didecyl dimethyl ammonium chloride CAS# 7173-51-5	0.94%	Not established.	n-Alkyl(C ₁₂ -C ₁₈) dimethylbenzyl ammonium chloride CAS# 8001-54-5	0.62%	Not established.
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IV Special Protection and Precautions	V Transportation and Regulatory Data									
<p>Hygienic Practices: Wash hands after direct contact. Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food.</p> <p>Engineering Controls: Use general ventilation to minimize exposure to vapor or mist.</p> <p>Personal Protective Equipment: Wear goggles or safety glasses. Use gloves if prolonged contact is expected.</p>	<p>DOT/ATA/IMDG: Not restricted.</p> <p>TSCA: All chemicals in this product are listed or exempt from listing on the TSCA Inventory.</p> <p>EPA- SARA Title III/CERCLA: This product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 304/CERCLA or Section 313.</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: Disposal must be made in accordance with applicable federal, state, and local regulations.</p>	<p>Stability: Stable</p> <p>Hazardous polymerization: Will not occur</p> <p>Storage/Disposal: Do not use or store near heat or open flame. Store at temperatures below 140°F</p>									
VIII Fire and Explosion Data	IX Physical Data									
<p>Flashpoint: >200°F</p> <p>Fire Extinguishing Agents: Water spray, dry chemical, carbon dioxide (CO₂), alcohol foam.</p> <p>Unusual Fire and Explosion Hazards: May produce toxic vapors/fumes of hydrogen chloride, amines and other organic material, and oxides of carbon and nitrogen</p>	<p>pH 10-11</p> <p>Specific gravity ~1.0</p> <p>Solubility in water Appreciable</p>									

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

Material Safety Data Sheet

I Product:	S.O.S® HEAVY DUTY ALL PURPOSE CLEANER WITH BLEACH	
Description:	CLEAR, FAINT YELLOW LIQUID WITH CHARACTERISTIC BLEACH ODOR	
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

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.

FIRST AID:

EYE CONTACT: Remove any contact lenses, and flush eyes thoroughly with water for 15 minutes. If irritation persists, call a physician.

SKIN CONTACT: Remove contaminated clothing; wash affected skin with water.

IF BREATHING IS AFFECTED: Get fresh air immediately.

IF SWALLOWED: Drink a glass of water. Call a physician.

III Hazardous Ingredients

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 ³ , Ceiling-TLV 2 mg/m ³ , Ceiling- Federal OSHA PEL

TLV = Threshold Limit Value Source: ACGIH 1992-1993
PEL = Permissible Exposure Limit Source: OSHA

None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists.

IV Special Protection and Precautions

Hygienic Practices: 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.

Personal Protection: Wear safety glasses. For sensitive skin or repeated/prolonged use, wear gloves.

Ventilation: Use general ventilation to minimize exposure to gases or aerosols associated with this product.

V Transportation and Regulatory Data

U.S. DOT Hazard Class: Not restricted

U.S. DOT Proper Shipping Name: Compound, cleaning, liquid

EPA SARA TITLE III/CERCLA: This product contains no chemicals regulated under Section 313 and contains sodium hydroxide (CAS # 1310-73-2, <1%) which is regulated under Section 304/CERCLA. Packaged product may be regulated under Sections 311/312 of SARA Title III.

TSCA - All chemicals in this product are listed on the TSCA Inventory

VI Spill Procedures/Waste Disposal

Spill Procedures: Absorb and containerize. Wash down residual to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.

VII Reactivity Data

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.

VIII Fire and Explosion Data

Flashpoint: greater than 200°F

Fire Extinguishing Agents: Water spray, dry chemical or carbon dioxide (CO₂).

Special Fire-Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

IX Physical Data

Appearance: Clear, faint yellow liquid
Odor: Characteristic bleach odor
pH: 12.4 - 12.6
Solubility in water: Completely soluble
Specific gravity (water = 1): 1.034 at 25 °C