# Material Safety Data Sheet

## I Product:
**CLOROX® LEMON FRESH BLEACH**

## Description:
CLEAR, PALE YELLOW, THIN LIQUID WITH A LEMON, CITRUS, BLEACH ODOR

### Distributor
The Clorox Sales Company  
1221 Broadway  
Oakland, CA 94612

### Emergency Telephone Nos.
For Medical Emergencies, call 1-800-446-1014.  
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).

## II Health Hazard Data
Eye irritant. May cause skin irritation. May be harmful if swallowed.

No medical conditions are known to be aggravated by exposure to this product.

**FIRST AID:**

- **EYE CONTACT:** Immediately rinse with water for 15 minutes. Call a doctor.
- **SKIN CONTACT:** Rinse with water. If irritation persists, call a doctor.
- **INGESTION:** Drink a glassful of water. Call a doctor or poison control center. Do not induce vomiting unless told to do so by a poison control center or doctor.
- **INHALATION:** Remove to fresh air. If breathing problems develop, call a doctor.

## III Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Concentration</th>
<th>Worker Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>1 - 5%</td>
<td>Not established.</td>
</tr>
<tr>
<td>CAS # 7681-52-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>0.1 - 1%</td>
<td>2 mg/m(^3) - TLV-C(^a)</td>
</tr>
<tr>
<td>CAS #1310-73-2</td>
<td></td>
<td>2 mg/m(^3) - PEL(^b)</td>
</tr>
</tbody>
</table>

\(^a\)TLV-C = ACGIH Threshold Limit Value - Ceiling.  
\(^b\)TLV-TWA = OSHA Permissible Exposure Limit - Time Weighted Average.

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

## IV Special Protection and Precautions

**Hygienic Practices:** Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.

**Engineering Controls:** Use general ventilation to minimize exposure to product mist.

**Personal Protective Equipment:** Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.

## V Transportation and Regulatory Data

**DOT:** Not restricted.

**IMDG:** Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.

**IATA:** Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.

**EPA - SARA Title III/CERCLA:** This product is regulated under Sections 311/312. This product contains no chemicals that are regulated under Section 313 and contains sodium hypochlorite and sodium hydroxide that are regulated under Section 304/CERCLA.

**TSCA 8(b):** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**TSCA 12(b):** This product is not subject to TSCA 12(b) reporting requirements.

## VI Spill Procedures/Waste Disposal

**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. For spills of multiple products, responders should evaluate the MSDSs of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.

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

## VII Reactivity Data

Stable under normal use and storage conditions.

Reacts with other household chemicals such as acid toilet bowl cleaners, rust removers, acids, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds.

## VIII Fire and Explosion Data

Not flammable or explosive.

## IX Physical Data

- **pH:** ~12.5
- **Specific gravity:** ~1.05
- **Solubility in water:** Soluble

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