# Material Safety Data Sheet

## I. Product:
**CLOROX® BLEACH PEN**

## II. Health Hazard Data

**Eye irritant.** May be irritating to skin. Some clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g., irritation) occurs during exposure. 

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

**FIRST AID:**

- **EYE CONTACT:** Flush eyes thoroughly with water for at least 15 minutes; then call a physician.
- **SKIN CONTACT:** Wash skin with water.
- **INGESTION:** Drink a glassful of water; then call a physician.
- **INHALATION:** Remove to fresh air. If irritation or breathing problems persist, call a physician.

### III. Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Concentration</th>
<th>Worker Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide (CAS #1344-28-1)</td>
<td>1-5%</td>
<td>10mg/m³ TLV&lt;sup&gt;a&lt;/sup&gt;</td>
</tr>
<tr>
<td>Sodium hypochlorite (CAS #7681-52-9)</td>
<td>0.5 - 2%</td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium hydroxide (CAS #1310-73-2)</td>
<td>&lt; 1%</td>
<td>2 mg/m³ - TLV-Ceiling limit</td>
</tr>
</tbody>
</table>

<sup>a</sup>TLV = ACGIH Threshold Limit Value  
<sup>b</sup>PEL = OSHA Permissible Exposure Limit - Time Weighted Average

None of the materials in this product are on the IARC, OSHA, or NTP 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:** None specified.

**Personal Protective Equipment:** Wear safety glasses. Wear gloves if handling product for prolonged or repeated periods. KEEP OUT OF REACH OF CHILDREN

## V. Transportation and Regulatory Data

**DOT/IATA/IMDG:** Not restricted.

**EPA - SARA Title III/CERCLA:** This product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains sodium hypochlorite (< 2%) and sodium hydroxide (< 1%) which are regulated under Section 304/CERCLA.

## 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.

**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:** .............................................................. 12.3 - 12.9
- **Specific gravity:** .............................................. 1.04 ± 0.04
- **Viscosity:** ..................................................... 9000 - 15,000 cps