

CLO 02450



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

**Material Safety
 Data Sheet**

I Product: CLOROX COMMERCIAL SOLUTIONS® CLOROX® BLEACH	
Description: CLEAR, LIGHT YELLOW LIQUID WITH CHLORINE ODOR	
Other Designations	Distributor
Clorox Bleach for P&G Pro Line On-Premise Laundry Sodium Hypochlorite Solution	Clorox Sales Company 1221 Broadway Oakland, CA 94612
Emergency Telephone Nos.	
For Medical Emergencies, call 1-800-446-1014 For Transportation Emergencies, call Chemtrec 1-800-424-9300	

II Health Hazard Data

DANGER: CORROSIVE. May cause severe irritation or damage to eyes and skin. Vapor or mist may irritate. Harmful if swallowed. Keep out of reach of children.

Some clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g., irritation) occurs during exposure. Under normal consumer use conditions the likelihood of any adverse health effects are low.

Medical conditions that 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.

FIRST AID:

Eye Contact: Hold eye open and rinse with water for 15-20 minutes. Remove contact lenses, after first 5 minutes. Continue rinsing eye. Call a physician.

Skin Contact: Wash skin with water for 15-20 minutes. If irritation develops, call a physician.

Ingestion: Do not induce vomiting. Drink a glassful of water. If irritation develops, call a physician. Do not give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If breathing is affected, call a physician.

III Hazardous Ingredients

Ingredient	Concentration	Worker Exposure Limit
Sodium hypochlorite CAS # 7681-52-9	6.0 - 7.35%	Not established.
Sodium hydroxide CAS # 1310-73-2	< 0.2%	2 mg/m ³ TLV-STEL* 2 mg/m ³ PEL ^b

*TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit
 *PEL = OSHA Permissible Exposure Limit - Time Weighted Average

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

IV Special Protection and Precautions

Hygienic Practices: Wear safety glasses. With repeated or prolonged use, wear nitrile, neoprene, or butyl rubber gloves. Wash after contact with product. Avoid breathing vapors.

Engineering Controls: Use general ventilation to minimize exposure to vapor or mist.

Work Practices: Avoid eye and skin contact and inhalation of vapor or mist.

KEEP OUT OF THE REACH OF CHILDREN.

V Transportation and Regulatory Data

DOT: Not restricted per 49CFR172.101(c)(12)(iv).

IMDG: Not restricted per IMDG Code Page 0021 Paragraph 5.3.5.

IATA: Not restricted per IATA D.G.R. Special provision A3.

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 and sodium hydroxide which are regulated under Section 304/CERCLA.

TSCA Status: All components of this product are on the TSCA Inventory.

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: Disposal must be made in accordance with applicable federal, state and local regulations.

VII Reactivity Data

Stability: Stable under normal use and storage conditions.

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

Storage/Disposal: Do not use or store near heat or open flame.

VIII Fire and Explosion Data

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

Flashpoint: >200°F (closed cup).

Unusual Fire and Explosion Hazards: None.

IX Physical Data

Boiling point.....212°F/100°C (decomposes)
 Specific gravity (H₂O=1, 21°C).....~1.10
 Solubility in water.....Complete
 pH.....~11.4