



The Clorox Company  
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 Pleasanton, California 94588  
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# Material Safety Data Sheet

<b>I Product:</b> REGULAR CLOROX BLEACH		
<b>Description:</b> CLEAR, LIGHT YELLOW LIQUID WITH CHLORINE ODOR		
<b>Other Designations</b>	<b>Manufacturer</b>	<b>Emergency Telephone No.</b>
Sodium hypochlorite solution Liquid chlorine bleach Clorox Liquid Bleach	The Clorox Company 1221 Broadway Oakland, CA 94612	Notify your Supervisor Rocky Mountain Poison Center (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

**II Health Hazard Data**

\* Causes substantial but temporary eye injury. May irritate skin. May cause nausea and vomiting if ingested. Exposure to vapor or mist may irritate nose, throat and lungs. 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, chronic bronchitis or obstructive lung disease. Under normal consumer use conditions the likelihood of any adverse health effects are low.

**FIRST AID:** EYE CONTACT: Immediately flush eyes with plenty of water. If irritation persists, see a doctor. SKIN CONTACT: Remove contaminated clothing. Wash area with water. INGESTION: Drink a glassful of water and call a physician. INHALATION: If breathing problems develop remove to fresh air.

**III Hazardous Ingredients**

Ingredients	Concentration	Worker Exposure Limit
Sodium hypochlorite CAS # 7681-52-9	5.25%	not established

None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen list. Occasional clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g. irritation) occurs during exposure. Routine clinical tests conducted on intact skin with Clorox Liquid Bleach found no sensitization in the test subjects.

**IV Special Protection and Precautions**

Hygienic Practices: Wear safety glasses. With repeated or prolonged use, wear gloves.

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**

U.S. DOT Hazard Class: Not restricted

U.S. DOT Proper Shipping Name: Hypochlorite solution with not more than 7% available chlorine. Not Restricted per 49CFR172.101(c)(12)(iv).

Section 313 (Title III Superfund Amendment and Reauthorization Act): As a consumer product, this product is exempt from supplier notification requirements under Section 313 Title III of the Superfund Amendment and Reauthorization Act of 1986 (reference 40 CFR Part 372).

**VI Spill or Leak Procedures**

Small Spills (<5 gallons)  
 1) Absorb, containerize, and landfill in accordance with local regulations.  
 (2) Wash down residual to sanitary sewer.\*

Large Spills (>5 gallons)  
 1) Absorb, containerize, and landfill in accordance with local regulations; wash down residual to sanitary sewer.\* - OR - (2) Pump material to waste drum(s) and dispose in accordance with local regulations; wash down residual to sanitary sewer.\*

\* Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

**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, vinegar, acids or ammonia containing products to produce hazardous gases, such as chlorine and other chlorinated species. Prolonged contact with metal may cause pitting or discoloration.

**VIII Fire and Explosion Data**

Not flammable or explosive. In a fire, cool containers to prevent rupture and release of sodium chlorate.

**IX Physical Data**

Boiling point . . . . . 212°F/100°C (decomposes)  
 Specific Gravity (H<sub>2</sub>O=1) . . . . . 1.085  
 Solubility in Water . . . . . complete  
 pH . . . . . 11.4