



SEP. 17. 2001 9:07AM

MICHEALS ASSOCIATIONAL PRODUCTS COMPANY  
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# Material Safety Data Sheet

**I Product:** COMMERCIAL SOLUTIONS™ ULTRA CLOROX® GERMICIDAL BLEACH I

**Description:** CLEAR, LIGHT YELLOW LIQUID WITH CHLORINE ODOR

Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg No. 67619-8 Sodium Hypochlorite Solution	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 448-1014 For Transportation Emergencies Chemtrac (800) 424-8300

**II Health Hazard Data**

**DANGER: CORROSIVE.** May cause severe irritation or damage to eyes and skin. Harmful 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, chronic bronchitis or obstructive lung disease. Some clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite, particularly on damaged or irritated skin. Routine clinical tests conducted on intact skin with Clorox Liquid Bleach found no sensitization in the test subjects. Under normal consumer use conditions the likelihood of any adverse health effects are low.

**FIRST AID:**

**EYE CONTACT:** Rinse with plenty of water for at least 15 minutes. Get prompt medical attention.

**SKIN CONTACT:** Wash skin thoroughly with soap and water.

**INGESTION:** Drink large amounts of water. DO NOT induce vomiting. Call a physician or poison control center immediately.

**INHALATION:** If breathing problems develop remove to fresh air.

**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%	2.0 mg/m3 TLV-C a

aTLV-C = ACGIH Threshold Limit Value- Ceiling Limit

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**

**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).

**EPA - SARA Title III/CERCLA:**  
Bottled product is not reportable under Sections 311/312; contains no chemicals regulated under Section 313; and contains chemicals (sodium hypochlorite ≤ 7.35% and sodium hydroxide ≤ 0.2%) which are regulated under Section 304/CERCLA.

**TSCA Status:** All component 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:** 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, 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 (H2O=1).....1.085  
Solubility in Water.....complete  
pH.....11.4