



**Chemical Name:** All-Purpose Cleaner

**Manufacturer:** Formula 409

**Container size:** 1.4 gallon

**Location:** SOC

**Disposal:** Place empty container in trash.

**The Clorox Company**1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000**Material Safety  
Data Sheet****I Product:** FORMULA 409® ANTIBACTERIAL ALL PURPOSE CLEANER**Description:** GREEN LIQUID

Other Designations	Distributor	Emergency Telephone Nos.
5813-73	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

**II Health Hazard Data**

EYE IRRITANT. Avoid eye and prolonged skin contact. Do not ingest.

**FIRST AID:**

**EYE CONTACT:** Immediately flush eyes with plenty of water. If irritation persists, see a doctor.

**SKIN CONTACT:** Wash with water. Seek medical attention if irritation develops or persists.

**INGESTION:** Drink a glassful of water. Call a physician. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.

**INHALATION:** If breathing problems develop remove to fresh air. Seek medical attention if respiratory irritation develops or breathing becomes difficult.

**III Hazardous Ingredients**

Ingredients	Concentration	Worker Exposure Limit
n-Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride CAS #68424-85-1	0.3-0.6%	None Established
n-Propoxypropanol CAS # 1569-01-3	0.5 - 2%	None Established
Monoethanolamine CAS #141-43-5	0.5 – 1.5%	3 ppm - TLV-TWA <sup>a</sup> 3 ppm - PEL <sup>b</sup> 6 ppm - TLV-STEL <sup>c</sup>
<sup>a</sup> TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average <sup>b</sup> PEL = OSHA Permissible Exposure Limit - Time Weighted Average <sup>c</sup> TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit 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:** Use general ventilation to minimize exposure to product vapor or mist.

**Personal Protective Equipment:** Wear safety glasses. Wear gloves for repeated or prolonged skin contact.

**V Transportation and Regulatory Data**

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

**EPA - SARA Title III/CERCLA:** Packaged product is not reportable under Sections 311/312;; and contains no chemicals which are regulated under Section 304 or 313/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:** Dispose of in accordance with all applicable federal, state, and local regulations.

**VII Reactivity Data**

Stable under normal use and storage conditions.

Conditions to avoid: Oxidizers.

**VIII Fire and Explosion Data**

**Flash Point:** >200 °F

**Fire Extinguishing Agents:** Foam, Dry Chemical, Water, CO<sub>2</sub>

**Products of Combustion:** Thermal decomposition or burning may produce toxic vapors or gases, including oxides of carbon and nitrogen.

**IX Physical Data**

pH..... 10.5  
Solubility in Water..... complete  
Specific Gravity (H<sub>2</sub>O=1) ..... ~1.0