

The Clorox Company

1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

**Material Safety
Data Sheet**

I Product: FORMULA 409® ALL PURPOSE CLEANER ANTIBACTERIAL KITCHEN LEMON FRESH

Description: YELLOW LIQUID WITH A LEMON ODOR

| 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

III Hazardous Ingredients

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.

| 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 ^a 3 ppm - PEL ^b 6 ppm - TLV-STEL ^c |

^aTLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average
^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average
^cTLV-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

V Transportation and Regulatory Data

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.

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

VII Reactivity Data

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.

Stable under normal use and storage conditions.

Conditions to avoid: Oxidizers

VIII Fire and Explosion Data

IX Physical Data

Flash Point: >200 °F

Fire Extinguishing Agents: Foam, Dry Chemical, Water, CO₂

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

pH..... 10.5
Solubility in Water..... complete
Specific Gravity (H₂O=1)~1.0