

**Clorox Professional Products Company**1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000**Material Safety  
Data Sheet****I Product:** CLOROX COMMERCIAL SOLUTIONS® FORMULA 409® CLEANER DEGREASER DISINFECTANT**Description:** CLEAR, COLORED LIQUID WITH A CITRUS/FLORAL ODOR

| Other Designations    | Distributor  | Emergency Telephone Nos.   |
|-----------------------|--|--|
| EPA Reg. No. 67619-10 | Clorox Professional Products Company<br>1221 Broadway<br>Oakland, CA 94612 | For Medical Emergencies call:<br>(800) 446-1014<br>For Transportation Emergencies Chemtrec<br>(800) 424-9300 |

**II Health Hazard Data**

**CAUTION:** 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.

**KEEP OUT OF REACH OF CHILDREN**

**III Hazardous Ingredients**

| Ingredients  | Concentration | Worker Exposure Limit   |
|--|---------------|---|
| n-Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride<br>CAS #68424-85-1   | 0.3-0.6%      | None Established  |
| n-Propoxypropanol<br>CAS # 1569-01-3   | 0.5 - 2%      | None Established  |
| Monoethanolamine<br>CAS #141-43-5  | 0.5 – 1.5%    | 3 ppm - TLV-TWA <sup>a</sup><br>3 ppm - PEL <sup>b</sup><br>6 ppm - TLV-STEL <sup>c</sup> |
| <sup>a</sup> TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average<br><sup>b</sup> PEL = OSHA Permissible Exposure Limit - Time Weighted Average<br><sup>c</sup> TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit<br>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:**  
This product is not reportable under Sections 311/312 or 313; and contains no chemicals 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:** Dispose of in accordance with all applicable federal, state, and local regulations.

**VII Reactivity Data**

Stable under normal use and storage conditions.

**VIII Fire and Explosion Data**

**Flash Point:** >200 F

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

**IX Physical Data**

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

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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 6/06