



CLD 00014

Clorox Professional Products Company
1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product: COMMERCIAL SOLUTIONS® FORMULA 409® HEAVY DUTY DEGREASER DISINFECTANT											
Description: CLEAR, GREEN, THIN LIQUID WITH GREEN, HERBAL, SOLVENT ODOR											
Other Designations	Distributor	Emergency Telephone Nos.									
EPA Reg. No. 5813-55-67619	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014 For Transportation Emergencies, call Chemtrec 1-800-424-9300									
II Health Hazard Data		III Hazardous Ingredients									
Eye irritant. Prolonged skin contact may result in irritation. Avoid contact with food. No medical conditions are known to be aggravated by exposure to this product. 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.		<table border="1"><thead><tr><th>Ingredient</th><th>Concentration</th><th>Worker Exposure Limit</th></tr></thead><tbody><tr><td>Alkyl (40% C₁₂, 50% C₁₄, 10% C₁₆) dimethyl benzyl ammonium chlorides CAS# 68424-85-1</td><td>0.3%</td><td>Not established.</td></tr><tr><td>2-Butoxyethanol CAS # 111-76-2</td><td>3 - 8%</td><td>20 ppm - skin TLV-TWA^a 50 ppm - skin PEL^b</td></tr></tbody></table> <p>Note that 2-butoxyethanol can be absorbed through the skin. This may contribute to overall exposure.</p> <p>^aTLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average ^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Alkyl (40% C ₁₂ , 50% C ₁₄ , 10% C ₁₆) dimethyl benzyl ammonium chlorides CAS# 68424-85-1	0.3%	Not established.	2-Butoxyethanol CAS # 111-76-2	3 - 8%	20 ppm - skin TLV-TWA ^a 50 ppm - skin PEL ^b
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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 vapor or mist. Personal Protective Equipment: Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised. Not recommended for use on soft vinyl, varnishes, or aluminum. If sprayed on these surfaces, rinse and wipe dry immediately.		DOT: Not restricted per 49 CFR 173.120(a)(3) and Appendix H. IMDG: Not restricted per IMDG Code Page 40 Paragraph 2.3.1.3. IATA: Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5. TSCA Status: All components of this product are on the TSCA inventory. EPA - SARA Title III/CERCLA: This product is regulated under Sections 311/312. This product contains glycol ethers (<8%) which are regulated under Section 313 and Section 304/CERCLA and contains potassium hydroxide (CAS #1310-58-3, <0.1%) which is regulated under Section 304/CERCLA.									
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.									
VIII Fire and Explosion Data		IX Physical Data									
Flash Point: 128°F (closed cup) Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO ₂), foam, or water spray.		pH ~11.3 Specific gravity ~1.0 Solubility in water complete									