

### Material Safety Data Sheet

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Trade Name: JAVEX LIQUID BLEACH      Manufacturer: COLGATE PALMOLIVE CANADA INC  
MSDS Code:      Type of Chemical: bleach

**Notes:**

Revision Date: 30/12/2007 Material Safety Data Sheet  
Trade Name: JAVEX LIQUID BLEACH Manufacturer: COLGATE PALMOLIVE CANADA INC  
Type of Chemical: bleach

#### SECTION I - PRODUCT IDENTIFICATION AND USE

Product Name:  
JAVEX LIQUID BLEACH - REGULAR FRESH SECENT AND LEMON  
Product Use: Bleach  
WHMIS Classification: NCP  
Supplier's Name: Colgate Palmolive - Canada Inc.  
99 Vanderhoof Avenue  
Toronto, Ontario M4G 2H6  
Telephone No: (416) 421-6000  
After Hours: John Fletcher: (905) 845-5076  
Emergency Contacts: Trevor Wilson (416) 287-0687  
PHONE: (416) 421-6000  
N/A - Not applicable, N/E - Not Established/Available

#### SECTION III - HAZARDOUS INGREDIENTS

Hazardous Ingredient: Sodium Hypochloric  
Concentration Range %: 5 to 10  
CAS or U.N. Number: 7681-52-9  
Exposure Limits: N/E  
LD50/LC50, Species and Route: N/E

#### SECTION IV - PHYSICAL DATA

Physical State: Liquid  
Odour and Appearance: Lime yellow liquid; various scents with a faint chlorine bleach odour.  
Odour Threshold: 1000 ppm  
Specific Gravity: 1076 (20o/20oC)  
Vapour Pressure: 25 mm Hg at 20oC  
Vapour Density: N/E  
Evaporation Rate: N/E  
Boiling Point: 102oC  
Freezing Point: -3oC  
Ph: 12.5 min  
Coefficient of Water/Oil Distribution: N/E

#### SECTION V - FIRE OR EXPLOSION HAZARD

Flammable: No  
Means of Extinction: if involved in fire, use water, dry alcohol type or all purpose foam, dry chemical, carbon

dioxide or other Class B extinguishing agents.

**Special Procedures:** Avoid fumes from spilled or exposed liquid, dilute copiously and ventilate. Acid contamination will produce very irritating fumes similar to chlorine gas. Bleach decomposes when heated; decomposition products may cause containers to rupture or explode. Vigorous reaction possible with organic materials or oxidizing agents; may result in a fire. Full protective equipment including pressure demand self-contained breathing apparatus and turnout equipment should be worn by firefighters and others exposed to combustion by-products.

**Flashpoint and Method:** N/A

**Upper Flammable Limit:** N/E

**Lower Flammable Limit:** N/E

**Auto-Ignition Temperature:** N/E

**Hazardous Combustion Products:** N/E

**Explosion Data Sensitivity to Mechanical Impact:** N/E

**Explosion Data Sensitivity to Static Charge:** N/E

#### SECTION VI - REACTIVITY DATA

**C** **hemical Instability:** Yes. The product will lose about 10% total activity per month at room temperature and pressure. Higher temperatures will accelerate decomposition. Oxygen gas is relaxed.

**Incompatibility to Other Substances:** Yes. Heavy metal, reducing agents, acids, ammonia, glycols, alcohols and most other solvents or materials.

**R**

**activity:** Yes. Higher temperatures cause faster decomposition and liberation of oxygen gas. Metallic contamination will also cause decomposition and liberation of oxygen. Contamination with organics will result in foul odours and decomposition.

**Contamination with ammonia will liberate dangerous fumes.**

**H**

**azardous Decomposition Products:** none under normal storage and use. However chlorine gas shall be released if product is solidified with acids or acidic materials.

#### SECTION VII - TOXICOLOGICAL PROPERTIES OF PRODUCT

**Routes of Entry:** Skin Contact

**Eye Contact**

**Inhalation**

**Ingestion**

**Effects of Acute Exposure to Product:**

**Skin Contact:** Moderate Irritant

**Skin Absorption:** N/E

**Ingestion:** Slightly toxic. Inflammation of mouth, pharynx, esophagus and stomach, erosion of mucous membranes, hemorrhage and possibly coma may occur.

**Inhalation:** Inhalation can be irritating to mucous membranes. Inhalation of free chlorine products produces irritation of nose and throat

and coughing, corrosive to tissue, may cause pulmonary edema or shock.

**Eye Contact:** Extremely corrosive.

**Effects of Chronic Exposure to Product:** N/E

**L**

**D50 of Product (Specify Species and Route):** 14.9 g/kg (oral, rat)

**L**

C50 of product (Specify Species): N/A  
Exposure Limits: N/E  
Irritancy of Product: N/E  
Sensitization of Product: N/E  
Carcinogenicity: N/E  
Reproductive Toxicity: N/E  
Teratogenicity: N/E  
Mutagenicity: N/E  
Synergistic Materials: N/E

#### SECTION VIII - PREVENTATIVE MEASURES

**Personal Protective Equipment:** Rubber or Plastic Gloves, Goggles or Shield, Plastic apron preferred, rubber boots when handling spills.  
**Engineering Controls:** It is preferred but not mandatory to ventilate storage tanks to outside. Safety Showers and Eyewash Fountains should be available.  
**Leak and Spill Procedures:** Leaking product must be transferred to another suitable container. Dilute spilled product with water and add sodium bisulphite or sulphite, Flush to sewer. Do NOT use combustible material: e.g. sawdust.  
**Waste Disposal:** Dispose in accordance with Federal, Provincial and Local regulations.  
**Handling Procedures and Equipment:** Avoid contact when handling.  
**Storage Requirements:** Use polyethylene, polypropylene, PVC, or FRP containers. Store at -10oC to 30oC and away from sunlight.  
**Special Shipping Instructions:** Ensure transportation system is sound. Make sure connection houses are not worn. Do not drop small containers.

#### SECTION IX - TRANSPORTATION OF DANGEROUS GOODS

TDG Regulated Product: No  
Product TDG or CFR 49 Shipping Name: N/A  
PIN Number: N/A  
Packaging Group: N/A

#### SECTION X - FIRST AID MEASURES

**Skin:** Flush skin with water for 15 minutes. If irritation persists, call a physician.  
**Eye:** Flush the contaminated eye(s) for at least 15 minutes with lukewarm water, holding the eyelid open. Take care not to rinse contaminated water into the non-affected eye. Always seek medical attention for eye injuries.  
**Inhalation:** remove to fresh air. Call a physician.  
**Ingestion:** If swallowed drink 3-4 glasses of water. **DO NOT USE BAKING SODA OR ACIDIC ANTIDOTES.** Call a physician. These products are labeled in accordance with the requirements of the Hazardous Products Act and/or the Pest Control Products Act in that the use pattern and exposure in the workplace is generally consistent with that experienced by consumers. In certain respects, the requirements of the Workplace Hazardous Materials Information System applicable to the drafting of this Material Safety Data Sheet may differ from the requirements of those acts and regulations and as a result, this MSDS may contain additional information to that found on the labels.  
Because we cannot anticipate or control the many different conditions under which this information and our

Material Safety Data Sheet

products may be used, we do not guarantee the applicability of his information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the safety and suitability of each such product for their particular purposes.

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