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 Procter & Gamble  
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 Cincinnati, OH 45202

# MATERIAL SAFETY DATA SHEET

Supersedes: 2/1/00

Issue Date: 8/01  
 Issue Date: N/A

SECTION I - CHEMICAL PRODUCT		
Identity: Liquid Cleaner	02291	
Brands: COMET Cleaner with Bleach (Professional Line)		
Hazard Rating: 1	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
Emergency Telephone Number: 1-800-332-7787 or call Local Poison Control Center		

SECTION II - COMPOSITION AND INGREDIENTS					
Ingredients/Chemical Name: Cleaning agents, bleach (sodium hypochlorite), surface safety agent, perfume and water.					
This mixture, when tested as a whole, is considered an eye irritant within the meaning of the OSHA Communication Standard					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
Chemical Name	Common Name	CAS No.	Recommended Limits	Composition Range	LD50/LC50
Sodium hypochlorite	Bleach	7681- 52-9	ACGIH STEL: 2mg/m <sup>3</sup>	0. 5-1 5%	
Sodium hydroxide	Caustic soda	1310-73-2	ACGIH STEL: 2 mg/m <sup>3</sup> OSHA PEL: 2 mg/m <sup>3</sup>	0.1-1%	

SECTION III - HAZARDS IDENTIFICATION	
<b>Health Hazards (Acute and Chronic):</b>	
Ingestion:	May cause mild , transient gastrointestinal irritation with nausea, vomiting or diarrhea
Eye Contact:	May cause mild, transient irritation with stinging and tearing similar to that caused by other detergents.
Skin:	May be irritating to skin. May further irritate already irritated or extremely dry skin.
Inhalation:	Mild mucous membrane irritant.

SECTION IV - FIRST AID INFORMATION	
<b>Emergency and First Aid Procedures:</b>	
Ingestion:	Drink 1 or 2 large glasses of water.. If large amounts are ingested, call a physician.
Eye Contact:	Flush with large amounts of water for at least 15 minutes.
Skin:	Wash exposed area thoroughly area with soap and water and discontinue use. Remove contaminated clothing.
Inhalation:	Leave the area
<b>Other:</b> Product package has a caution statement: CAUTION: KEEP OUT OF REACH OF CHILDREN. May cause eye irritation. EYE IRRITANT: Avoid contact with eyes. May be irritating to skin. For sensitive skin or prolonged use, wear gloves. Do not mix with other cleaning products as irritating fumes may be released. In case of eye contact, flush thoroughly with water. If swallowed, drink a glass of water to dilute. Call a physician immediately.	



**SECTION V - FIRE FIGHTING INFORMATION**

**Flash Point (Method Used):** over 200°F (cc)      **Explosive Limits: LEL:** N/A      **UEL:** N/A  
**Extinguishing Media:** CO<sub>2</sub>, water, dry chemical or "alcohol" foam  
**Special Fire Fighting Procedures:** Use water to keep fire exposed container cool.  
**Unusual Fire Hazards:** None known.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** None  
**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Do not landfill. Small quantities may be disposed of via sewer.  
**Steps To Be Taken in Case Large Quantities of Material are Released or Spilled:** Use water spray or dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling and Storing:** Handling and storage must be well ventilated, cool, and dry. Store product away from potential sources of ignition. Fire fighting equipment must be available at all times.  
**Other Precautions:** Keep away from heat/sparks and open flame..

**SECTION VIII - EXPOSURE CONTROLS; PERSONAL PROTECTION**

**Respiratory Protection (Specify Type):** None required with normal use.  
**Ventilation**      General  
**Eye Protection:** None required with normal use.  
**Manufacturing Setting:** For splash protection, use chemical goggles. Eye wash fountain is desirable.  
**Protective Gloves:** None required with normal use.  
**Other Protective Equipment:** None required with normal use.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point ° F:</b> N/A	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 1.030-1.045
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Percent Volatile by Volume (%):</b> N/A
<b>Vapor Density (Air=1):</b> N/A	<b>Evaporation Rate (nBuOAc=1):</b> N/A
<b>Coefficient of Water/Oil Distribution:</b> N/A	<b>Freezing Point:</b> N/A
<b>Appearance and Odor:</b> Clear liquid	<b>pH (100%):</b> 13
<b>Product is perfumed.</b>	<b>Solubility in Water:</b> Completely
	<b>Reserve Alkalinity:</b> N/A

**SECTION X - STABILITY AND REACTIVITY**

**Possible Hazardous Reactions/Conditions/By Products:** None known

**Conditions to Avoid:** None

**Materials to Avoid:** Do not mix with other products, especially toilet bowl cleaners, acidic cleaners or products that contain ammonia.

**Hazardous Decomposition Products:** None known

**Other Recommendations:** None

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**SECTION XI - TOXICOLOGICAL INFORMATION**

**LD50 (rats oral):** >6.5 g/kg

Comet Cleaner with Bleach has a relatively low order of toxicity. It may be irritating, but it is not expected to be corrosive. It is expected to be emetic.

**SECTION XII - ECOLOGICAL INFORMATION**

No environmental concerns.

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Do not landfill. Small quantities may be disposed of via sewer. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION XIV - TRANSPORT INFORMATION**

**DOT Classification:** Comet Cleaner with Bleach is not DOT hazardous in packages as sold. Bulk product shipments are classified as Class 9 Hazardous Substance with a shipping name of Environmentally hazardous substance, liquid n.o.s.

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

All components are listed on the US TSCA Inventory.

No components of Comet Cleaner with Bleach are subject to California Proposition 65.

**EPA CERCLA TITLE III**

<u>Chemical Name</u>	<u>CERCLA304 RQ (LBS)</u>	<u>311/312</u>	<u>313</u>
Sodium hypochlorite	100	no	no
Sodium hydroxide	1000	no	no

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

**SECTION XVI - OTHER INFORMATION**

\*N/A. - Not Applicable

\*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.