



## MATERIAL SAFETY DATA SHEET

MSDS: FH/C/2003/BCWT-5RYR49  
Supersedes: N/A

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### SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Cleaner**

Brands: **COMET Cleaner with Bleach (Professional Line)**

Hazard Rating:	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

Emergency Telephone Number: 1-800-332-7787 or call Local Poison Control Center

### SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Water (7732-18-5), sodium hydroxide (1310-73-2), sodium hypochlorite (7681-52-9), sodium salt (142-31-4 & 151-21-3), surface safety agent and perfume.

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 and/or WHMIS under the HPA:**

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
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

**Health Hazards (Acute and Chronic):**

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****Emergency and First Aid Procedures:**

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.

**Other:** Product package has a caution statement: PRECAUTION: 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. Contains Sodium Hypochlorite. In case of eye contact, flush thoroughly with water for 15 minutes. 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, PROVINCIAL AND LOCAL REGULATIONS. Undiluted waste from this product is RCRA “Corrosive” D002 classification. Check pH before sewerage. pH trim may be necessary if waste has a pH of 12.5 or above. Do not landfill.

**Steps To Be Taken in Case Large Quantities of Material are Released or Spilled:** Contain the spill. Try to prevent large quantities from reaching waterway or sewer. Use water spray or dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Dispose of resulting waste as appropriate (check pH).

**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 @ 25°C (H<sub>2</sub>O=1):</b> 1.040 - 1.050
<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 Product is perfumed.	<b>pH (100%):</b> 12.6 – 13.4
	<b>Solubility in Water:</b> Completely
	<b>Reserve Alkalinity:</b> N/A

**SECTION X - STABILITY AND REACTIVITY**

<b>Possible Hazardous Reactions/Conditions/By Products:</b> None known
<b>Conditions to Avoid:</b> None
<b>Materials to Avoid:</b> Do not mix with other products, especially toilet bowl cleaners, acidic cleaners or products that contain ammonia.
<b>Hazardous Decomposition Products:</b> None known
<b>Other Recommendations:</b> None
<b>Stability:</b> Stable
<b>Hazardous Polymerization:</b> Will not occur

**SECTION XI - TOXICOLOGICAL INFORMATION**

<b>LD50 (rats oral):</b> >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:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS. Undiluted waste from this product is RCRA “Corrosive” hazardous if pH is 12.5 or more. Check pH before deciding on the route of disposal. Hazardous waste treatment to reduce the pH may become necessary prior to disposal. Do not landfill.

**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.

