

# Procter & Gamble

## Professional<sup>®</sup>

### MATERIAL SAFETY DATA SHEET

#### 1. Product and Company Identification

**Material name** PGP Comet Cleaner with Bleach - Ready to Use  
**Product Code** 15154199  
**Version #** 06  
**Revision date** 10-26-2011  
**Manufacturer** Procter & Gamble Professional  
**Address** 2 P&G Plaza  
Cincinnati  
Ohio  
45202  
US  
**P&G Telephone Number:** 1-800-332-7787  
**Emergency 24-hr Telephone #:** CHEMTREC 1-800-424-9300

#### 2. Hazards Identification

##### Potential health effects

**Routes of exposure** Inhalation. Skin contact. Eye contact.  
**Eyes** Health injuries are not known or expected under normal use. Accidental exposure will cause a moderate but transient irritation.  
**Skin** Health injuries are not known or expected under normal use. May cause transient irritation. Prolonged or repeated contact may be drying to skin.  
**Inhalation** Health injuries are not known or expected under normal use. Irritating to mucous membranes.  
**Ingestion** Health injuries are not known or expected under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Potential environmental effects** Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

#### 3. Composition / Information on Ingredients

Components	CAS #	Percent
SODIUM HYPOCHLORITE	7681-52-9	1-5
SODIUM LAURYL SULFATE	151-21-3	1-5
SODIUM HYDROXIDE	1310-73-2	0.5-1.5

#### 4. First Aid Measures

##### First aid procedures

**Eye contact** After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.  
**Skin contact** Rinse with water if prolonged contact occurs. Get medical attention if irritation develops and persists.  
**Inhalation** Move to fresh air. Get medical attention if any discomfort continues.  
**Ingestion** Drink a few glasses of water or milk. Do NOT induce vomiting. Get medical attention.

## 5. Fire Fighting Measures

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Wear suitable protective clothing.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Clean-up methods and materials and containment measures</b>	In case of spills, beware of slippery floors and surfaces. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

## 7. Handling and Storage

<b>Handling</b>	Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of reach of children.
<b>Storage</b>	Store in a cool and well-ventilated place. Keep from freezing.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

<b>Components</b>	<b>Type</b>	<b>Value</b>
SODIUM HYDROXIDE (1310-73-2)	TWA	2 mg/m <sup>3</sup>

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<b>Components</b>	<b>Type</b>	<b>Value</b>
SODIUM HYDROXIDE (1310-73-2)	PEL	2 mg/m <sup>3</sup>

<b>Engineering controls</b>	Provide adequate ventilation.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Not normally needed. If contact is likely, chemical goggles are recommended.
<b>Skin protection</b>	Not normally needed. For prolonged or repeated skin contact use suitable protective gloves.
<b>Respiratory protection</b>	Not normally needed.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Color</b>	Colorless to light yellow.
<b>Odor</b>	Scented
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>pH</b>	12.6 - 13.4
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	>= 201 °F (>= 93.9 °C)
<b>Evaporation rate</b>	Not available.

Vapor pressure	Not available.
Specific gravity	1.045
Solubility (water)	Complete
Partition coefficient (n-octanol/water)	Not available
VOC	Not available.

## 10. Chemical Stability & Reactivity Information

Chemical stability	This is a stable material.
Conditions to avoid	Do not mix with other materials.
Hazardous decomposition products	No hazardous decomposition products are known.
Hazardous polymerization	Will not occur.

## 11. Toxicological Information

### Toxicological data

Components	Test Results
SODIUM HYDROXIDE (1310-73-2)	Acute Other LD50 Mouse: 40 mg/kg
SODIUM LAURYL SULFATE (151-21-3)	Acute Oral LD50 Rat: 1288 mg/kg Acute Other LD50 Mouse: 118 mg/kg Acute Other LD50 Rat: 118 mg/kg
SODIUM HYPOCHLORITE (7681-52-9)	Acute Oral LD50 Mouse: 5800 mg/kg Acute Oral LD50 Rat: 8.91 g/kg
Sensitization	Not available.
Acute effects	Causes skin and eye irritation.
Chronic effects	Not available.
Skin corrosion/irritation	Hazardous by OSHA criteria.

## 12. Ecological Information

Environmental effects	Based on ecotoxicity and fate data for the individual ingredients in this specific formulation, and for related consumer household cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. This product is intended for dispersive use and should not be disposed of directly into the environment.
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## 13. Disposal Considerations

Waste codes	D002: Waste Corrosive material [pH ≤2 or ≥12.5, or corrosive to steel]
Disposal instructions	This material and its container must be disposed of as hazardous waste. Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### DOT

#### Basic shipping requirements:

Proper shipping name	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE), LTD QTY [may be shipped as a CONSUMER COMMODITY ORM-D through 12/31/2013]
Hazard class	8
UN number	1760
Packing group	III
Additional information:	
ERG number	154

## IMDG

### Basic shipping requirements:

Proper shipping name	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE), LTD QTY
Hazard class	8
UN number	1760
Packing group	III

## IATA

### Basic shipping requirements:

Proper shipping name	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE), LTD QTY
Hazard class	8
UN number	1760
Packing group	III

**Notes** DO NOT SHIP BY AIR. Does not meet packaging requirements for air shipments.

## 15. Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### CERCLA (Superfund) reportable quantity

SODIUM HYPOCHLORITE: 100

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

### State regulations

#### ILLRTK

Contains no Illinois Right To Know toxic substances.

#### US - Connecticut Hazardous Material Survey: Listed substance

SODIUM HYDROXIDE (CAS 1310-73-2) LISTED  
SODIUM HYPOCHLORITE (CAS 7681-52-9) LISTED

#### US - Illinois Chemical Safety Act: Listed substance

SODIUM HYDROXIDE (CAS 1310-73-2) SODIUM HYDROXIDE  
SODIUM HYPOCHLORITE (CAS 7681-52-9) SODIUM HYPOCHLORITE

#### US - Massachusetts RTK - Substance: Listed substance

SODIUM HYPOCHLORITE (CAS 7681-52-9) LISTED

#### US - New Jersey Community RTK (EHS Survey): Listed substance

#### US - New Jersey RTK - Hazardous substance

#### US - New Jersey RTK - Special Hazard: Listed substance

SODIUM HYDROXIDE (CAS 1310-73-2) SODIUM HYDROXIDE SPEC\_HAZAROUS  
SODIUM HYPOCHLORITE (CAS 7681-52-9) SODIUM HYPOCHLORITE SPEC\_HAZAROUS

#### US - New Jersey RTK - Substances: Listed substance

SODIUM HYDROXIDE (CAS 1310-73-2) SODIUM HYDROXIDE LISTED  
SODIUM HYPOCHLORITE (CAS 7681-52-9) SODIUM HYPOCHLORITE LISTED

#### US - Pennsylvania RTK - Hazardous Substances: Listed substance

SODIUM HYDROXIDE (CAS 1310-73-2) LISTED  
SODIUM HYPOCHLORITE (CAS 7681-52-9) LISTED

**US - Rhode Island RTK - Hazardous Substances: Listed substance**

SODIUM HYDROXIDE (CAS 1310-73-2)

LISTED

**Canadian regulations**

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Inventory Status**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

**HMIS® ratings**

Health: 2  
Flammability: 1  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 1  
Instability: 0

**Disclaimer**

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.