Procter&Gamble

Professional®

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

Environmental precautions	Prevent further leakage or spillage if safe to do so.
Extinguishing media	
Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Protection of firefighters	
Protective equipment and precautions for firefighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Wear suitable protective clothing.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Clean-up methods and materials and containment measures	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

Handling	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.
Storage	Store in a cool and well-ventilated place. Keep from freezing.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
SODIUM HYDROXIDE (1310-73-2)	TWA	2 mg/m3

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

Components	Type	Value
SODIUM HYDROXIDE (1310-73-2)	PEL	2 mg/m3

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

9. Physical & Chemical Properties

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

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.