

P&G Professional™

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name PGP Comet Cleaner with Bleach - concentrate
Product Code 15154199
Version # 01
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 minimal.

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)

Ceiling

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.

Form

Liquid.

Odor

Scented

pH

12.6 - 13.4

Melting point

Not available.

Freezing point

Not available.

Boiling point

212 °F (100 °C) estimated

Flash point

>= 201.00 °F (>= 93.89 °C)

Evaporation rate

Not available.

Vapor pressure

29.192636215 hPa estimated

Specific gravity

1.045

Solubility (water)

Complete

Partition coefficient (n-octanol/water)

Not available

| | |
|------------------|----------------------|
| VOC | Not available. |
| Percent volatile | 91.01 % estimated |
| Density | 1.52 g/cm3 estimated |

10. Chemical Stability & Reactivity Information

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|----------------------------------|--|
| 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

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|-------------|--|
| Waste codes | D002: Waste Corrosive material [pH ≤2 or ≥12.5, or corrosive to steel] |
|-------------|--|

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|-----------------------|---|
| 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

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

15. Regulatory Information

US federal regulations

US CERCLA Hazardous Substances: Reportable quantity

SODIUM HYDROXIDE (CAS 1310-73-2)

US CERCLA Hazardous Substances: Reportable quantity
SODIUM HYDROXIDE 1000 lbs

SODIUM HYPOCHLORITE (CAS 7681-52-9)

US CERCLA Hazardous Substances: Reportable quantity
SODIUM HYPOCHLORITE 100 lbs

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

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|-------------------------------------|--------|
| 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

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|-------------------------------------|--------|
| 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 |
| SODIUM HYPOCHLORITE (CAS 7681-52-9) | LISTED |

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.