1. Product and Company Identification

Material name
US: Comet Disinfecting-Sanitizing Bathroom Cleaner
CA: Comet Bathroom Cleaner

Product Code 15154320
Version # 01
Revision date 05-02-2012

Manufacturer
Procter & Gamble Professional
Address
2 P&G Plaza
Cincinnati
Ohio
45202
US

2. Hazards Identification

Potential health effects
Routes of exposure
Ingestion. Inhalation. Skin contact. Eye contact.

Eyes
Mild eye irritation.

Skin
May cause transient irritation. Skin contact may aggravate an existing dermatitis. Prolonged or repeated contact may be drying to skin.

Inhalation
May be irritating.

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Can cause irritation to mucous membranes.

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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIPROPYLENE GLYCOL N-BUTYL ETHER</td>
<td>29911-28-2</td>
<td>3-7</td>
</tr>
<tr>
<td>CITRIC ACID</td>
<td>77-92-9</td>
<td>1-5</td>
</tr>
</tbody>
</table>

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 symptoms persist.

Skin contact
Wash affected area with mild soap and water. Rinse with plenty of water. Get medical attention if irritation develops and persists.

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion
Drink 1 or 2 glasses of water. Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
5. Fire Fighting Measures

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Extinguishing media

Protection of 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. Do not contaminate water.

Clean-up methods and materials
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. Avoid contact with skin. 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

Engineering controls
Provide adequate ventilation.

Personal protective equipment
Eye / face protection
Not normally needed.

Skin protection
Not normally needed.

Respiratory protection
Not normally needed.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color
Clear.

Odor
Scented

Odor threshold
Not available.

Physical state
Liquid.

pH
3

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
1.042

Solubility (water)
Complete

Partition coefficient (n-octanol/water)
Not available

VOC
Not available.

Percent volatile
81.79 % estimated
10. Chemical Stability & Reactivity Information

**Chemical stability**
This is a stable material.

**Conditions to avoid**
Do not mix with chlorine bleach or other chemicals.

**Hazardous decomposition products**
No hazardous decomposition products are known.

**Hazardous polymerization**
Will not occur.

11. Toxicological Information

**Toxicological data**

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIPROPYLENE GLYCOL N-BUTYL ETHER (29911-28-2)</td>
<td>Acute Inhalation LC50 0.05 mg/l</td>
</tr>
<tr>
<td>CITRIC ACID (77-92-9)</td>
<td>Acute Oral LD50 Mouse: 5040 mg/kg</td>
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<tr>
<td></td>
<td>Acute Oral LD50 Rat: 6730 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute Other LD50 Mouse: 42 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute Other LD50 Rabbit: 330 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute Other LD50 Rat: 883 mg/kg</td>
</tr>
</tbody>
</table>

**Sensitization**
Not available.

**Chronic effects**
Not available.

**Skin corrosion/irritation**
Not available.

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

**Disposal instructions**
Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Dispose of container in accordance with label instructions.

14. Transport Information

**DOT**

<table>
<thead>
<tr>
<th>Basic shipping requirements:</th>
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</thead>
<tbody>
<tr>
<td><strong>Proper shipping name</strong></td>
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<tr>
<td><strong>Hazard class</strong></td>
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<tr>
<td><strong>UN number</strong></td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
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</tbody>
</table>

<table>
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<tr>
<th><strong>Additional information:</strong></th>
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<tbody>
<tr>
<td><strong>ERG number</strong></td>
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</table>

**IMDG**

<table>
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</tr>
<tr>
<td><strong>UN number</strong></td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
</tr>
</tbody>
</table>
IATA

Basic shipping requirements:

Proper shipping name: CORROSIVE LIQUID, n.o.s. (CITRIC ACID)
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 is an EPA-registered pesticide (Registration No. 3573-54).

CERCLA (Superfund) reportable quantity: None

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: No

State regulations:

ILLRTK
- Contains no Illinois Right To Know toxic substances.


US - Massachusetts RTK - Substance: Listed substance
- Contains no Massachusetts Right To Know substances.

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

US - New Jersey RTK - Hazardous substance
- Contains no New Jersey Right To Know special hazards.

US - New Jersey RTK - Substances: Listed substance
- Contains no New Jersey Right To Know Substances

US - Pennsylvania RTK - Hazardous Substances: Listed substance
- Contains no Pennsylvania Right To Know hazardous substances

US - Rhode Island RTK - Hazardous Substances: Listed substance
- Contains no Rhode Island Right To Know hazardous substances

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

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* "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: 3
- Flammability: 1
- Physical hazard: 0

**NFPA ratings**

- Health: 3
- 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.