

Procter&Gamble

Professional®

MATERIAL SAFETY DATA SHEET

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

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 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

Components	CAS #	Percent
DIPROPYLENE GLYCOL N-BUTYL ETHER	29911-28-2	3-7
CITRIC ACID	77-92-9	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 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	
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. Do not contaminate water.
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. 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	$\geq 201\text{ }^{\circ}\text{F}$ ($\geq 93.9\text{ }^{\circ}\text{C}$)
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

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

Basic shipping requirements:

Proper shipping name	CORROSIVE LIQUID, n.o.s. (citric acid) LTD QTY
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. (citric acid) LTD QTY
Hazard class	8
UN number	1760
Packing group	III

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 - Illinois Chemical Safety Act: Listed substance

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

US - New Jersey RTK - Special Hazard: Listed 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

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: 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.