

Procter & Gamble

Professional[®]

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

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

Product Code 15154320

Version # 04

Revision date 11-01-2010

Manufacturer Address Procter & Gamble Professional
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 ≥ 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

Components

DIPROPYLENE GLYCOL N-BUTYL ETHER (29911-28-2)

CITRIC ACID (77-92-9)

Test Results

Acute Inhalation LC50 0.05 mg/l

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 CONSUMER COMMODITY

Hazard class ORM-D

IMDG

Basic shipping requirements:

Proper shipping name CORROSIVE LIQUID, n.o.s. (CITRIC ACID)

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 - No
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 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: 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.