

# Procter & Gamble

## Professional<sup>®</sup>

### MATERIAL SAFETY DATA SHEET

#### 1. Product and Company Identification

**Material name** Mr. Clean Toilet Bowl Cleaner/Restroom Disinfectant - Ready to Use  
**Product Code** 15154119  
**Version #** 05  
**Revision date** 04-05-2011  
**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.  
**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
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** If victim is fully conscious, give a cupful 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 (CO<sub>2</sub>).

## 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. 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. If risk of splashing, wear safety goggles or face shield.

#### Skin protection

If prolonged or repeated contact is likely, protective gloves are recommended. Neoprene gloves. Rubber gloves.

#### 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

Lemon

### Odor threshold

Not available.

### Physical state

Liquid.

### pH

3

### Melting point

Not available.

### Freezing point

Not available.

### Boiling point

Not available.

### Flash point

$\geq 201$  °F ( $\geq 93.9$  °C)

### Evaporation rate

Not available.

### Vapor pressure

Not available.

### Specific gravity

1.038

### Solubility (water)

Complete

### Partition coefficient (n-octanol/water)

Not available

### VOC

Not available.

### Percent volatile

84.28 % 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

CITRIC ACID (77-92-9)

#### Test Results

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** 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 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  
[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., (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), 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 is an EPA-registered pesticide (Registration No. 3573-53).

#### 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 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.