

Procter & Gamble

Professional[®]

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Mr. Clean Professional Disinfecting Floor Cleaner
Product Code 98973112
Version # 00
Revision date 04-13-2011
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

Severely irritating; if not removed promptly, will injure eye tissue, which may result in permanent damage.

Skin

Strongly irritating. Prolonged contact may cause burns.

Inhalation

Vapors may irritate throat and respiratory system and cause coughing.

Ingestion

May be fatal if swallowed. Severely irritating to mucous membranes.

Potential environmental effects

May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
DIDECYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5	5-10

4. First Aid Measures

First aid procedures

Eye contact

Immediately rinse with water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately.

Skin contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Contact physician if irritation continues.

Inhalation

Move to fresh air. Call a physician or poison control center immediately. Perform artificial respiration if breathing has stopped and call an ambulance.

Ingestion

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 victim is fully conscious, give a cupful of water. 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

Carbon dioxide (CO₂). Water. Foam. Dry chemical powder.

Protection of firefighters

Protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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.

Never return spills in original containers for re-use.

7. Handling and Storage

Handling

Use personal protective equipment as required. Use only in area provided with appropriate exhaust ventilation. Follow instructions and ensure correct dilution of this product before use. Do not get this material in contact with skin or eyes. Wash hands thoroughly after handling. Keep out of reach of children.

Storage

Keep away from heat and sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Have emergency equipment readily available.

8. Exposure Controls / Personal Protection

Engineering controls

Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.

Personal protective equipment

Eye / face protection

Wear chemical goggles or face shield.

Skin protection

Wear protective gloves. Neoprene gloves. Latex gloves.

Respiratory protection

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color

Orange.

Odor

Scented

Odor threshold

Not available.

Physical state

Liquid.

pH

6 - 8

Melting point

Not available.

Freezing point

Not available.

Boiling point

212 °F (100 °C)

Flash point

>= 201 °F (>= 93.9 °C)

Evaporation rate

Not available.

Vapor pressure

Not available.

Specific gravity

1.01

Solubility (water)

100

Partition coefficient (n-octanol/water)

Not available

VOC

Not available.

Percent volatile

85.6 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability

This is a stable material.

Conditions to avoid

None known.

Materials to avoid

Mixing with any other material.

Hazardous decomposition products

Thermal decomposition may produce toxic vapors or gases.

Hazardous polymerization Will not occur.

11. Toxicological Information

Toxicological data

Components

Test Results

DIDECYL DIMETHYL AMMONIUM CHLORIDE (7173-51-5)

Acute Dermal LD50 Rabbit: 2730 mg/kg

Acute Oral LD50 Mouse: 268 mg/kg

Acute Oral LD50 Rat: 84 mg/kg

Acute Other LD50 Mouse: 11 mg/kg

Acute Other LD50 Rat: 45 mg/kg

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 in accordance with all applicable regulations.

Dispose of container in accordance with label instructions.

14. Transport Information

DOT

Basic shipping requirements:

Proper shipping name Corrosive liquid, n.o.s. (DIDECYL DIMETHYL AMMONIUM CHLORIDE) 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. (DIDECYL DIMETHYL AMMONIUM CHLORIDE) LTD QTY

Hazard class 8

UN number 1760

Packing group III

Marine pollutant Yes

IATA

Basic shipping requirements:

Proper shipping name Corrosive liquid n.o.s. (DIDECYL DIMETHYL AMMONIUM CHLORIDE) 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. 8155-23-3573).

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.