



The Procter & Gamble Company  
P&G Household Care  
Fabric & Home Care Innovation Center  
5299 Spring Grove Avenue  
Cincinnati, OH 45217-1087

## MATERIAL SAFETY DATA SHEET

MSDS#: FH/H/2005/JWJA-6JNPT2

Issue Date: 12/27/05

Supersedes: HO2JMF

Issue Date: 11/8/05

### SECTION I - CHEMICAL PRODUCT

Identity: **Disinfecting Liquid Hard Surface Cleaner**

**Finished Product**

Brands: **MR. CLEAN ANTIBACTERIAL MULTI-SURFACE CLEANER (Orange and Lemon Scents)**

P&G Telephone Number: 1-800-8-MR CLEAN (1-800-867-2532) or call Local Poison Control Center or your physician.

### SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Cleaning agents (ethanol, butoxypropanol), quaternary, water, colorant and perfume.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	0.1-1%	N/A
2-aminoethanol	Monoethanol-amine	141-43-5	0.1-1%	N/A

### SECTION III - HAZARDS IDENTIFICATION

#### Health Hazards (Acute and Chronic):

Ingestion: May cause mucous membrane irritation. Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea. Large ingestions may cause temporary dizziness, uncoordination and headache.

Eye Contact: May cause eye irritation. May result in transient, superficial effects similar to those produced by mild toilet soaps.

Skin: May cause skin irritation. Use on irritated or extremely dry skin may aggravate the existing condition.

Inhalation: May cause mucous membrane irritation.

**SECTION IV - FIRST AID INFORMATION****Emergency and First Aid Procedures:**

Ingestion: Dilute with fluids and treat symptomatically. For large ingestions, call a physician.

Eye Contact: Flush thoroughly with water for 15 minutes. Get medical attention if irritation persists.

Skin: Rinse exposed area with soap and water and discontinue use.

Inhalation: Get fresh air.

**Other:** Product package has a caution statement: KEEP OUT OF REACH OF CHILDREN. CAUTION: Causes eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

**SECTION V - FIRE FIGHTING INFORMATION**

**Explosive Limits:** LEL: N/A UEL: N/A

**Extinguishing Media:** CO2, water, dry chemical or "alcohol" foam.

**Special Fire Fighting Procedures:** Use water to keep fire exposed container cool.

**Unusual Fire Hazards:** Combustible liquid. Product will produce a brief flash but will not support sustained combustion when in contact with open flame above the indicated flashpoint.

**Stability** *Unstable:*

*Conditions to Avoid:* None known

*Stable:* X

**Incompatibility (Materials to Avoid):** None known

**Hazardous Decomposition/By Products:** None known

**Hazardous Polymerization:** *May Occur:*

*Conditions to Avoid:* None known

*Will Not Occur:* X

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** N/A

**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Small (household) quantities may be disposed of via sewer with large quantities of water. Discard empty container in trash.

**Steps To Be Taken in Case Material is Released or Spilled:** Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling and Storing:** Handling and storage must be well ventilated, cool, and dry. Materials must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times.

**Other Precautions:** Keep away from sparks and open flame.

**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION****Recommended Exposure Limits:**

Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm and OSHA Z-1 PEL 1000 ppm

2-aminoethanol (CAS# 141-43-5) ACGIH TLV 3 ppm; OSHA PEL 3 mg/m<sup>3</sup> and OSHA PEL 6 ppm (15 min)**Respiratory Protection (Specify Type):** None required with normal consumer use.**Ventilation Local Exhaust:** None required with normal consumer use.*Special:* None*Mechanical (General):* Acceptable.*Other:* None**Eye Protection:** None required with normal consumer use.*Industrial Setting:* For splash protection, use chemical goggles.**Protective Gloves:** None required with normal consumer use.*Industrial Setting:* Minimize skin contact with normal consumer use.**Other Protective Equipment:** None required with normal consumer use.*Industrial Setting:* Use ventilation to minimize exposure to vapor or mist (ethanol).**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point °F:** 200°F**Specific Gravity (H<sub>2</sub>O=1):** 0.99**Vapor Pressure (mm Hg):** N/A**Percent Volatile by Volume (%):** ca. 95**Vapor Density (Air=1):** N/A**Evaporation Rate (nBuOAc=1):** Unknown**Odor Threshold:** N/A**Freezing Point:** N/A**Coefficient of Water/Oil Distribution:** N/A**pH:** 10.69**Flash Point:** 135.7°F Pensky-Martens (Closed cup)**Solubility in Water:** Completely**Appearance and Odor:** Colored liquid (yellow or orange). Product is perfumed.**Reserve Alkalinity:** N/A**SECTION X - STABILITY AND REACTIVITY****Possible Hazardous Reactions/Conditions/By-Products:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None**SECTION XI - TOXICOLOGICAL INFORMATION**

LD50 (rats oral): &gt;20 g/kg

**SECTION XII - ECOLOGICAL INFORMATION**

No concerns at relevant environmental concentrations.

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Do not landfill. Small (household) quantities may be disposed of via sewer with large quantities of water. Discard empty container in trash.

Industrial disposal of product in finished, consumer-ready packaging must be disposed of as an organic pesticide. Records must be kept of the disposal that documents the method of disposal, the date of disposal, the location of the disposal site, the type of pesticide disposed of (organic pesticide), and the amount of pesticide disposed of. Disposal records must be retained for 20 years. Incineration is preferred where permitted. Product removed from finished, consumer-ready packaging may be disposed of as non-pesticidal, liquid waste.

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION XIV - TRANSPORT INFORMATION**

Ground Transport (DOT): Combustible liquid not regulated in packaging less than 119 gallons. When shipped in bulk, classified as Compounds, cleaning liquid Class 3 (NA 1993).

Air Transport (IATA): Not regulated

Marine/Water Transport (IMDG): Not regulated

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

All intentionally-added components are listed on the US TSCA Inventory.

EPA Reg. No. 6836-245-3573

Mr. Clean Antibacterial Multi-Surface Cleaner is not subject to warning labeling under California Proposition 65.

**SECTION XVI - OTHER INFORMATION**

\*N/A. - Not Applicable

\*N/K. - Not Known

P&G Hazard Rating:	Health:	1	4=EXTREME
	Flammability:	2	3=HIGH
	Reactivity:	0	2= MODERATE
			1=SLIGHT

Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.