



MATERIAL SAFETY DATA SHEET

MSDS#: FH/H/2005/JWJA-6JNPT2(1)

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SECTION I - CHEMICAL PRODUCT

Identity: **Disinfecting Liquid Hard Surface Cleaner** **Packaged, Finished Product**

Brands: **MR. CLEAN MULTI-SURFACES ANTIBACTERIAL SPRAY (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

Active ingredients listed on the product label are the following:

n-Alkyl (C14-60%, C16-30%, C12-5%) Dimethyl Benzyl Ammonium Chloride.... 0.05%

n-Alkyl (C12-68%, C14-32%) Dimethyl Ethylbenzyl Ammonium Chloride..... 0.05%

Other Ingredients..... 99.90%

Total:.....100.00%

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%	LD50 (rabbit, oral) = 6300 mg/kg
2-aminoethanol	Monoethanolamine	141-43-5	0.1-1%	LD50 (rats, oral) = 10.2 g/kg

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/PROVINCIAL 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/m³ 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 (H₂O=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 Pinsky-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): >20 g/kg

SECTION XII - ECOLOGICAL INFORMATION

No concerns at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS**Waste Disposal Method:**

Households: Consumers may dispose small (household) quantities down the drain with running water. Discard empty container in trash or thoroughly rinse and recycle where facilities exist.

Non-household settings: 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 which is non-hazardous waste according to Federal RCRA regulations (40 CFR 261).

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

SECTION XIV - TRANSPORT INFORMATION

Transportation Information – This product is not regulated for transportation.

For finished packaged product transported by ground (DOT): Not regulated

For finished packaged product transported by water (IMGD): Not regulated

For finished packaged product transported by air (IATA): Not regulated

SECTION XV - ADDITIONAL REGULATORY INFORMATION

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

EPA Reg. No. 6836-245-3573 / California Reg. No. 6836-245-ZD-3573

This product is not subject to warning labeling under California Proposition 65.

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

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.

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