



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

SAFETY DATA SHEET

MSDS #: RQ1310081r1
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SECTION I - PRODUCT IDENTIFICATION

Identity: Multi-Purpose Cleaner **Finished Product**
Brands: MR. CLEAN LIQUID MUSCLES (With Febreze Freshness Meadows & Rain scent, With Gain Scent Original Fresh scent, Crisp Lemon scent, Multi-Purpose With the Grease Fighting Power of Dawn, Multi-Purpose Great for Bathrooms)
P&G Telephone Number: 1-800-867-2532 or call Local Poison Control Center or your physician.
Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300 U.S. and Canada, or 1-703-527-3887 - for calls originating elsewhere.

SECTION II - HAZARDS IDENTIFICATION

Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)

Ingestion: May be harmful if swallowed

Eye Contact: Causes moderate irritation.

Skin Contact: Skin irritant.

Inhalation: N/A

Signs and Symptoms of Exposure:

Ingestion: Oral ingestion may result in transient system effects (ataxia and muscle weakness) and/or gastrointestinal irritation with nausea, vomiting or diarrhea. This product contains alcohol ethoxylates. Large ingestions (>2 ml/kg) may also cause symptoms of alcohol-like intoxication, lack of coordination, drowsiness, inarticulateness or ataxia. Alcohol ethoxylates may contribute to central nervous system symptoms. Possible mild gastrointestinal irritation with nausea, vomiting and/or diarrhea. Large ingestions may cause temporary dizziness, lack of coordination and headache.

Eye Contact: Instillation into the eye may result in transient superficial effects similar to those produced by mild toilet soaps and detergents.

Skin Contact: Use on irritated or extremely dry skin may aggravate the existing condition.

Inhalation: N/A

Medical Conditions Generally Known to be Aggravated by Exposure: None known

Potential Environmental Effects: See Section 12 for more information

SECTION III - COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. and/or WHMIS under the HPA:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Benzenesulfonic Acid, Mono-C10-16-Alkyl Derivs., Sodium Salts	HLAS salt	68081-81-2	1-5%	Rat: 500-2320 mg/kg
Alkyldimethylamine oxide	Amine oxide	70592-80-2	1-5%	Rat: 846-3873 mg/kg
Alcohols, C9-11, Ethoxylated	Alcohol ethoxylate	68439-46-3	3-7%	Rat: 1000-2700 mg/kg

SECTION IV – FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Drink 1-2 glasses of water and call a physician or poison control center (product contains alcohol ethoxylates). Do not induce vomiting unless they tell you to do so.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice if irritation persists.

Skin Contact: Thoroughly wash exposed area with soap and water and discontinue use. Remove contaminated clothing. If irritation persists, call a physician.

Inhalation: Move to fresh air.

Note to Physician: N/A

Other: Consumer product package has the following precautionary statement:

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Dispensing cap contains small parts. Potential choking hazard. KEEP OUT OF REACH OF CHILDREN. FIRST AID: IF IN EYES, hold eyes open and rinse gently with water for 15–20 min. If wearing contacts, remove lenses after first 5 min., and continue rinsing. If irritation persists, call a physician. IF SWALLOWED, drink 1–2 glasses of water and call a physician or poison control center (product contains alcohol ethoxylates) — do not induce vomiting unless they tell you to do so. Have the product container or label with you when calling or going for treatment.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >170°F (77°C) (Koehler closed cup). Product does not sustain combustion.

Flammable Properties:

Upper Flammable Limit: unknown

Lower Flammable Limit: unknown

Explosive Limits:

UEL: unknown

LEL: unknown

Auto-ignition Temperature: unknown

Hazardous Combustion Products: none known

Explosion Data (Sensitivity to Mechanical Impact): unknown

Explosion Data (Sensitivity to Static Discharge): unknown

Extinguishing Media:

Suitable: water, dry chemical or “alcohol” foam. Use water to keep fire-exposed container cool

Unsuitable: none

Protection of Firefighters:

Specific Hazards Arising from the Material: Caustic, surfaces will be slippery when spilled and the product will generate suds when rinsed with high pressure water. Product will not contribute to an existing fire.

Protective Equipment and Precautions for Firefighters: Standard turnout gear. No unusual precautions necessary.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section VIII below.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Do not landfill. Small (household) quantities may be disposed of via sewer with large quantities of water. Incineration is preferred where permitted.

Methods for Containment: Prevent spills from reaching a waterway.

Methods for Cleanup: Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Absorb spilled product onto absorbent material.

Other Information: Spilled material is not a hazardous waste according to Federal RCRA regulations (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: Handle in a well ventilated, cool and dry area.

Precautions To Be Taken in Storage: Storage must be in a well ventilated, cool and dry area.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: N/A

Engineering Controls:

Ventilation *Mechanical (General):* Normal/general dilution ventilation is acceptable.

Personal Protective Equipment (PPE):

Eye/Face Protection: None required with normal consumer use. *Occupational Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.

Skin Protection: None required with normal consumer use. *Occupational Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact. **Respiratory Protection:** None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colored liquid packaged in a plastic bottle with auto dose cap and lid.

Odor: product is perfumed

Odor Threshold: N/K

Physical State: N/K

Vapor Pressure (mm Hg): N/K

Vapor Density (Air=1): N/K

Boiling Point: N/A

Partition Coefficient (n-octanol/water): N/K

Volatile Organic Compound (VOC): Products comply with US State and Federal regulations for VOC content.

Flash Point: >170°F (77°C) (Koehler closed cup). Product does not sustain combustion.

Reserve Alkalinity: 0.35-0.5

Solubility in Water: Completely

Decomposition Temperature: N/K

Evaporation Rate (nBuOAc=1): N/K

Specific Gravity/Density: 0.99-1.02

Melting/Freezing Point: unknown

pH: 10.0-10.5

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Temperatures above 100°F (38°C)

Incompatible Materials: Acids

Hazardous Decomposition Products: None Known

Possibility of Hazardous Reactions: None Known

SECTION XI - TOXICOLOGICAL INFORMATION

Chronic Effects: None reported.

Target Organs: None reported.

Carcinogenicity:

NTP: No

IARC: No

OSHA: No

SECTION XII - ECOLOGICAL INFORMATION

Based on ecotoxicity and fate data for the individual components in this product, it is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. The surfactant(s) used in the formula are biodegradable and do not accumulate in the environment. This product is intended for dispersive use and should not be disposed of directly into the environment.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with federal, state/provincial and local regulations.

Non-Household Setting (US Federal): Products covered by this MSDS, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261).

California Hazardous Waste: Yes

Household Use: Consumers may dispose of small (household) quantities down the drain with large quantities of water. Discard empty container in trash or rinse and recycle container where facilities exist.

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (US DOT): Not regulated for transportation

Air Transport (IATA): Not regulated for transportation

Marine/Water Transport (IMDG): Not regulated for transportation

SECTION XV - REGULATORY INFORMATION

United States

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

SARA 313/302/304/311/312 chemicals: None.

California: These products have been evaluated and do not require warning labeling under California Proposition 65.

State Right-to-Know and CERCLA:

The following ingredients present in the finished products at >1% (or 0.1% for carcinogens) are listed on state right-to-know lists or state worker exposure lists:

Ingredient	CAS#	CERCLA RQ	Max Level	State				
				IL	MA	NJ	PA	RI

Canada

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

SECTION XVI - OTHER INFORMATION

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

P&G Hazard Rating:	Health: 2	4=EXTREME
	Flammability: 1	3=HIGH
	Reactivity: 0	2=MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

*N/A. - Not Applicable

*N/K. - Not Known

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

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 assumed no responsibility for injury to the recipient or third persons or for any damage to any property resulting from misuse of the product.