



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 #: RQ1007357
Supersedes: RQ1005685

Issue Date: 8/26/10
Issue Date: 6/25/10

SECTION I - PRODUCT IDENTIFICATION

Identity: Liquid Cleaner

Finished Product

Brands: MR. CLEAN Mildew Stain Remover

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

SECTION II - HAZARDS IDENTIFICATION

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

Ingestion: Irritation of the mouth and gastrointestinal tract, with nausea, vomiting, and diarrhea..

Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness of the eyes.

Skin Contact: May cause skin irritation.

Inhalation: Mild mucous membrane irritant.

Signs and Symptoms of Exposure:

Ingestion: Possible mild gastrointestinal irritation with nausea, vomiting and/or diarrhea. Large ingestions may cause temporary dizziness, lack of coordination and headache.

Eye Contact: May result in transient, superficial effects (stinging, tearing, itching, swelling and/or redness).

Skin Contact: May result in transient skin irritation (redness, swelling) upon prolonged contact with undiluted material.

Inhalation: May cause irritation, coughing

Medical Conditions Generally Known to be Aggravated by Exposure: N/A

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>TLV/LD50/LC50</u>
C12 alkyl sulfate	Sodium lauryl sulfate	151-21-3	1-5%	1288 mg/kg, oral, rat
Sodium Hypochlorite	Bleach	7681-52-9	1-5%	5800 mg/kg, oral, mouse
Sodium Hydroxide	Caustic Soda	1310-73-2	0.5-1.5%	325 mg/kg, oral, rabbit

SECTION IV – FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Dilute with fluids and treat symptomatically. For large ingestions, call a physician or poison control center. 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: Take off contaminated clothing and rinse skin immediately with plenty of water for 15-20 minutes.

Inhalation: Get fresh air. Do not breathe fumes.

Note to Physician: (if applicable): Product contains alcohol ethoxylates.

Other: Consumer product package has the following precautionary statement: Avoid contact with eyes. May be irritating to skin. For sensitive skin or prolonged use wear gloves. Do not mix with other cleaning products, as irritating fumes may be released. Contains Sodium Hypochlorite. In case of contact with eyes, flush thoroughly with water. Call a physician immediately. **“KEEP OUT OF REACH OF CHILDREN. CAUTION: EYE IRRITANT.”**

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >200°F / >93.3°C (ASTM D-93 Pensky-Martens Closed Cup).

Flammable Properties: Product in non-flammable

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

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

Auto-ignition Temperature: N/A

Hazardous Combustion Products: None known.

Explosion Data (Sensitivity to Mechanical Impact): N/A

Explosion Data (Sensitivity to Static Discharge): N/A

Extinguishing Media:

Suitable: CO₂, water, dry chemical or "alcohol" foam. Use water to keep fire-exposed container cool.

Unsuitable: N/A

Protection of Firefighters:

Specific Hazards Arising from the Material: None

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

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section VIII below.

Environmental Precautions: Products covered by this MSDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state/provincial and federal regulations.

Methods for Containment: Contain the spill. Try to prevent from reaching waterway or sewer. Mr. Clean Your Home Pro Spray with Bleach is a RCRA corrosive hazardous waste, D002, because of its high pH.

Methods for Cleanup: Do not landfill. Hazardous waste treatment to reduce pH is necessary prior to disposal.

Other Information: (if applicable) N/A

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: With normal use, no PPE is required. Care should be taken to avoid splashing into eyes. Eye protection provides an additional level of protection.

Occupational Setting: For splash protection, use chemical goggles. Eye Wash fountain is desirable.

Skin Protection: With normal use, no PPE is required. If skin contact occurs, rinse immediately. Prolonged direct contact should be avoided.
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 (color, physical form, shape): Colored liquid (teal or purple). Packaged in a plastic spray bottle.	Flash Point (Method Used): >200F / >93.3°C (ASTM D-93 Pensky-Martens Closed Cup.)
Odor: Product is perfumed.	Reserve Alkalinity: 0.87
Odor Threshold: N/A	Solubility in Water: Completely
Physical State: Liquid.	Decomposition Temperature: N/A
Vapor Pressure (mm Hg): N/A	Evaporation Rate (nBuOAc=1): Unknown
Vapor Density (Air=1): N/A	Specific Gravity/Density: 1.045g/cm ³
Boiling Point: N/A	Melting/Freezing Point: N/A
Partition Coefficient (n-octanol/water): N/A	pH (neat): 12.6-13.4
Volatile Organic Compound (VOC): Product complies with US State and Federal regulations for VOC content.	

SECTION X – STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions to Avoid: None
Incompatible Materials: None
Hazardous Decomposition Products: None known
Possibility of Hazardous Reactions: None known

SECTION XI - TOXICOLOGICAL INFORMATION

Irritating to eye and skin after prolonged, direct contact.
LD50: estimated acute oral LD50 (rats) >2g/kg
ED50: Not necessarily strongly emetic.

Chronic Effects: No chronic health effects reported.
Target Organs: No target organs reported.
Carcinogenicity: This finished consumer product is not carcinogenic.

NTP: No
IARC: No
All product ingredients were checked for NTP and IARC carcinogen listings relevant to this product formulation.

SECTION XII - ECOLOGICAL INFORMATION

Under normal and foreseeable uses, there are no concerns for aquatic organisms exposed to product ingredients at the anticipated environmental concentrations. Relevant environmental data have been reviewed and these indicate that the product is compatible with down-the-drain disposal routes, including municipal wastewater treatment processes and septic tank systems. 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. Products covered by this MSDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261).

Non Household Setting (federal): Do not landfill. Hazardous waste treatment to reduce pH is necessary prior to disposal.

Non-Household Setting (California): Hazardous, in accordance with 22 CCR 66261.20 through 22 CCR 66261.24

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

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (US DOT): Consumer Commodity ORM-D. Products covered by this MSDS, in their original packaged form, are regulated for transportation.

Air Transport (IATA): DO NOT SHIP. Finished product packaging does not meet air transport requirements.

Marine/Water Transport (IMDG): UN1760, Corrosive liquid, n.o.s. (sodium hydroxide, sodium hypochlorite), 8, PGIII, Ltd. Qty..

SECTION XV - REGULATORY INFORMATION

United States

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

SARA 313/302/304/311/312 chemicals:

SARA 311: Sodium Hypochlorite (CAS# 7681-52-9) 1-5% & Sodium Hydroxide (CAS# 1310-73-2) 0.5-1%

California: This product has been evaluated and does not require warning labeling under California Proposition 65.

California Registration Number: Not Applicable

State Right-to-Know and CERCLA:

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

Ingredient	CAS #	Max Level	CERCLA RQ	State					
				IL	CA	CT	LA	MA	
Sodium Hydrochlorite	7681-5209	1-5%	100 lbs	MN	CA	CT	LA	MA	
					NJ	NY	PA	TX	
Sodium Hydroxide	1310-73-2	0.5-1%	1000 lbs	IL	CA	CT	LA	MA	
					MN	IN	KY	NC	NJ
					NY	OR	PA	RI	TX

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: 1	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.