



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 #: RV0910988A
Supersedes: N/A

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SECTION I - PRODUCT IDENTIFICATION

Identity: Liquid Cleaner

Brands: Mr. Clean Professional Disinfecting Cleaner With Bleach

P&G Telephone Number: 1-888-4MRCLEAN (1-888-467-2532) 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 cause transient gastrointestinal irritation with nausea, vomiting and/or diarrhea.

Eye Contact: Eye irritant

Skin Contact: Moderate transient skin irritant/drying to skin

Inhalation: Mild mucous membrane irritant.

Signs and Symptoms of Exposure:

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 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/K

Potential Environmental Effects: (See Section 12 for more information)

SECTION III - COMPOSITION AND INGREDIENTS

Ingredients: Water (CAS# 7732-18-5), sodium octyl sulfate (CAS# 142-31-4), sodium dodecyl sulfate (CAS# 151-21-3), sodium hypochlorite (CAS# 7681-52-9) and perfume.

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>
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:** Contact a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling the Poison Control Center or doctor, or going for treatment.
- 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 the eye.
- Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
- Inhalation:** If breathing is affected, get to fresh air immediately. Contact a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling the Poison Control Center or doctor, or going for treatment.

Note to Physician: (if applicable) N/A

Other: Product package has the following precautionary statement:

KEEP OUT OF REACH OF CHILDREN.

CAUTION: Harmful if absorbed through skin. Causes moderate eye irritation. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease. For sensitive skin or prolonged use, wear gloves. Remove contaminated clothing and wash clothing before use.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >200°F/93.3°C

Flammable Properties: Product is non flammable.

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

Explosive Limits: UEL: N/K LEL: N/K

Auto-ignition Temperature: N/K

Hazardous Combustion Products: N/K

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

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

Extinguishing Media:

Suitable: CO₂, water and/or dry chemical

Unsuitable: N/K

Protection of Firefighters:

Specific Hazards Arising from the Material: N/K

Protective Equipment and Precautions for Firefighters: Normal fire fighting gear.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prior to exposure, cover any exposed skin and eyes. Peel off and wash any clothing that becomes wet with the product.

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 Professional Disinfecting Cleaner 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)

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: Contains Bleach. Do not mix with other products, especially toilet bowl cleaners or products that contain ammonia as hazardous fumes may result.

Precautions To Be Taken in Storage: Store in accordance with local requirements for corrosive liquids. Store in cool place. Nonrefillable container. Do not reuse or refill this container. Do not contaminate water, food or feed by storage and disposal.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: N/A

Engineering Controls: N/A

Personal Protective Equipment (PPE):

Eye/Face Protection: Consider use of eye protection when splash potential is likely. Wear chemical splash goggles if water for rinsing eyes is not available.

Skin Protection: Wearing of gloves (rubber) and other skin-protective clothing as appropriate for areas of potential contact, is recommended for prolonged or repeated contact.

Respiratory Protection: None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Clear, slightly yellow liquid.

Flash Point (Method Used): >200°F/93.3°C

Odor: Perfumed

Reserve Alkalinity: 0.87

Odor Threshold: N/A

Solubility in Water: Complete

Physical State: Liquid

Decomposition Temperature: N/K

Vapor Pressure (mm Hg): N/K

Evaporation Rate (nBuOAc=1): N/K

Vapor Density (Air=1): N/K

Specific Gravity/Density: 1.045

Boiling Point: N/K

Melting/Freezing Point: N/K

Partition Coefficient (n-octanol/water):

pH (neat): 12.6-13.4

Volatile Organic Compound (VOC): Product complies with State and Federal regulations for VOC content.

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: N/K

Incompatible Materials: Do not mix with other cleaning products.

Hazardous Decomposition Products: N/K

Possibility of Hazardous Reactions: N/K

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: NTP: No IARC: No

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). Wrap container and put in trash or offer for recycling if available. Do not contaminate water, food or feed by storage and disposal.

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

SECTION XIV - TRANSPORT INFORMATION

Products covered by this MSDS, in their original packaged form, are regulated for transportation.

Ground Transport (US DOT): Consumer Commodity ORM-D.

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.

EPA Registration Number: 3573-92

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.

State Right-to-Know and CERCLA:

The following ingredients present in the finished product are listed on state right-to-know lists or state worker exposure lists

Ingredient	CAS #	Level	CERCLA RQ	State							
				CA	CT	IL	LA	MA	MN	NJ	NY
Sodium Hypochlorite	7681-52-9	1-5%	100 lbs	PA	TX						
Sodium Hydroxide	1310-73-2	0.5-1%	1000 lbs	CA	CT	IL	IN	KY	LA	MA	MN
				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 assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.