



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
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MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION

Identity: Multi-Surfaces Cleaner

Finished Product

Brands: MR. CLEAN EXTRA POWER

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: Harmful if swallowed.

Eye Contact: May cause eye irritation.

Skin Contact: May cause skin irritation.

Inhalation: Dangerous fumes form when mixed with other products. Do not breathe fumes.

Signs and Symptoms of Exposure:

Ingestion: Oral ingestion may result in transient nervous 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, incoordination, drowsiness, inarticulateness or ataxia. Alcohol ethoxylates may contribute to central nervous symptoms.

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

Skin Contact: Prolonged contact with concentrated material may be transiently irritating to skin.

Inhalation: Inhalation of significant amounts of aerosolized product may cause slight respiratory irritation.

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

Ingredients listed on the product label: Contains lactic acid, oxalic acid and biodegradable (anionic and nonionic) surfactants.

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>
Oxalic acid	Oxalic acid	144-62-7	1-5%	TLV (8 hr. exposure limit): 1 mg/m ³ LD50 (rat, oral): 7500 mg/kg
Lactic Acid	Lactic Acid	79-33-4	5 – 10%	LD50 (rat, oral): 4000 mg/kg
C10 alcohol ethoxylate-9	Alcohol Ethoxylate	160875-66-1	1-5%	LD50 (rat, oral): 500 mg/kg
C8 Sulphonate	Sodium Octyl Sulphonate	5324-84-5	1-5%	LD50 (rat, oral): 3200 mg/kg
C12-14 AO	Alkyl Amine Oxide	61788-90-7 & 68955-55-5	0.1 – 1%	LD50 (rat, oral): 1300 mg/kg

SECTION IV – FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Drink 1 or 2 glasses of water and IMMEDIATELY call a Poison Control Center or doctor.

Do not induce vomiting.

Eye Contact: Remove contact lenses and rinse with water for 15 minutes.

Skin Contact: Rinse skin with plenty of water. If spilled on clothing, change clothes. If symptoms persist or recur, seek medical attention.

Inhalation: Remove to fresh air.

Note to Physician: (if applicable): Probable mucosal damage may contraindicate the use of gastric lavage.

Other: Consumer product package has the following precautionary statement: “**CAUTION: IRRITANT. MAY IRRITATE EYES OR SKIN. HARMFUL IF SWALLOWED. DANGEROUS FUMES FORM WHEN MIXED WITH OTHER PRODUCTS. DO NOT MIX WITH BLEACH OR OTHER HOUSEHOLD CHEMICALS.** Do not get in eyes, on skin or on clothing. Do not breathe fumes. Use in a well ventilated area. **KEEP OUT OF REACH OF CHILDREN. FIRST AID TREATMENT:** Contains lactic acid, oxalic acid and biodegradable (anionic and nonionic) surfactants. If in eyes, remove any contact lenses and rinse with water for 15 minutes. If on skin, rinse with plenty of water. If swallowed, drink 1-2 glasses of water and IMMEDIATELY call a Poison Control Center or doctor. **DO NOT INDUCE VOMITING.** If inhaled, remove to fresh air.”

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): This product has a high water content and low solvent content. Flashpoint >200°F / >93.3°C (ASTM D-93 Pinsky-Martens Closed Cup).

Flammable Properties:

Upper Flammable Limit:

Lower Flammable Limit:

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 or dry chemical.

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: 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. Waste of this product is considered RCRA corrosive hazardous waste (D002) in industrial settings.

Methods for Containment: Prevent spills from reaching a waterway.

Methods for Cleanup: Sorbents may be used.

Other Information: (if applicable) N/A

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: Handle in a well ventilated 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: Oxalic acid (CAS# 144-62-7) – as a solid:

ACGIH 8 hr. TLV-TWA 1 mg/m³

ACGIH 15 min. STEL 2 mg/m³

NIOSH REL (10 hr. work day / 40 hr. work week) 1 mg/m³

NIOSH STEL 2 mg/m³

NIOSH IDLH 500 mg/m³

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. If you have sensitive skin, we recommend that you use gloves for household use of this product.

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): Clear liquid. Packaged in a spray bottle.

Odor: Product is perfumed.

Odor Threshold: N/A

Physical State: Liquid.

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Boiling Point: Not known.

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

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

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

Reserve Alkalinity: 50.89 mg KOH/g to pH 4
74.64 mg KOH/g to pH 7

Solubility in Water: Completely

Decomposition Temperature: N/A

Evaporation Rate (nBuOAc=1): N/A

Specific Gravity/Density: 1.029 g/cm³

Melting/Freezing Point: N/A

pH (10% solution): 1.88

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

Toxicological information on individual components indicates that this product may cause slight respiratory irritation, and may cause slight eye and skin irritation.

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

SECTION XII - ECOLOGICAL INFORMATION

This product is expected to be non-hazardous at relevant environmental concentrations.

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): The product covered by this MSDS, in its original form, when disposed as waste, is corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

Non-Household Setting (California): The product covered by this MSDS, in its original form, when disposed as waste, is hazardous waste in California, classified under California Waste Code 331 – Off specification, aged or surplus organics.

Household Use: Household product is safe for disposal down the drain during use with large quantities of water. Consumer may discard empty container in trash or recycle where facilities exist.

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (US DOT): Not regulated.

Air Transport (IATA): Not regulated.

Marine/Water Transport (IMDG): Not regulated.

SECTION XV - REGULATORY INFORMATION

United States

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

EPA Registration Number: Not Applicable

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

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% are listed on state right-to-know lists or state worker exposure lists

Ingredient	CAS #	Max Level	CERCLA RQ	State				
				IL	MA	NJ	PA	RI
Oxalic acid	144-62-7	3%		X	X	X	X	X

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.