



# MATERIAL SAFETY DATA SHEET

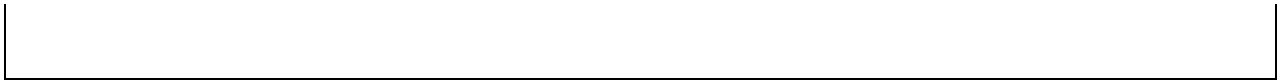
MSDS #: H02MMR  
 Supersedes: HO1MMR

Issue Date: 04/12/02  
 Issue Date: 12/03/01

SECTION I - CHEMICAL PRODUCT		
Identity: <b>Liquid Cleaner</b>		
Brands: <b>MR. CLEAN (Seasons' Freshness Summer Citrus, Spring Garden, Invigorating Breeze, Sparkling Apple)</b>		
Hazard Rating: 1	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
Emergency Telephone Number: 24hr P&G Operator - 1-800-8-MR CLEAN (1-800-867-2532) or call Local Poison Control Center		

SECTION II - COMPOSITION AND INGREDIENTS					
Ingredients/Chemical Name: Cleaning agents (nonionic and anionic surfactants), quality control agents, perfume, colorant and water.					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Alcohol Ethoxylates	Nonionic Surfactants	Confidential	N/A	0.1-1%	N/A

SECTION III - HAZARDS IDENTIFICATION	
<b>Health Hazards (Acute and Chronic):</b>	
Ingestion:	May be harmful if swallowed.
Eye Contact:	Mild eye irritant.
Inhalation:	N/A
Skin:	Mild skin irritant.
<b>Signs and Symptoms of Exposure:</b>	
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 (>2ml/kg) may also cause symptoms of alcohol-like intoxication, incoordination, drowsiness, inarticulateness or ataxia. Alcohol ethoxylates may contribute to central nervous system symptoms.
Eye Contact:	Instillation into the eye may result in transient superficial effects similar to those produced by mild toilet soaps and detergents.
Skin:	Use on irritated or extremely dry skin may aggravate the existing condition.
Inhalation:	N/A



**SECTION IV - FIRST AID INFORMATION****Emergency and First Aid Procedures:**

Ingestion: Dilute with fluids and call a physician.  
 Eye Contact: Immediately flush with water thoroughly, lifting upper and lower lids occasionally.  
 Skin: Thoroughly wash exposed area with soap and water and discontinue use. Remove contaminated clothing. If irritation persists, consult a physician.  
 Inhalation: Remove to fresh air.

**Other:** Consumer product package has a caution statement: CAUTION: EYE IRRITANT. KEEP OUT OF REACH OF CHILDREN.

**SECTION V - FIRE FIGHTING INFORMATION**

**Flash Point (Method Used):** over 200° F (cc)      **Explosive Limits:**      *LEL:* N/A      *UEL:* N/A

**Extinguishing Media:** CO<sub>2</sub>, water, dry chemical or "alcohol" foam.

**Special Fire Fighting Procedures:** Use water to keep fire exposed container cool.

**Unusual Fire Hazards:** None known.

**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:** None

**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE 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.

**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. Absorb spilled product onto absorbent material.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling and Storing:** Handling and storage must be well ventilated, cool, and dry.

**Other Precautions:** None known.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION	
<b>Respiratory Protection (Specify Type):</b> None required with normal use.	
<b>Ventilation</b>	<i>Local Exhaust:</i> None required with normal consumer use. <span style="float: right;"><i>Special:</i> None</span>  <i>Mechanical (General):</i> Acceptable. <span style="float: right;"><i>Other:</i> None</span>
<b>Eye Protection:</b> None required with normal consumer use.	
<i>Industrial Setting:</i> For splash protection, use chemical goggles. Eye wash fountain is desirable.	
<b>Protective Gloves:</b> None required with normal use.	
<b>Other Protective Equipment:</b> None required with normal use.	

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
<b>Boiling Point °F:</b> N/A	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 1.023 q/cc
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Percent Volatile by Volume (%):</b> N/A
<b>Vapor Density (Air=1):</b> N/A	<b>Evaporation Rate (nBuOAc=1):</b> N/A
<b>Odor Threshold:</b> N/A	<b>Freezing Point:</b> N/A
<b>Coefficient of Water/Oil Distribution:</b> N/A	<b>pH (neat):</b> 10.5
<b>Scooped Density:</b> N/A	<b>Solubility in Water:</b> Completely
<b>Appearance and Odor:</b> Green liquid.	<b>Reserve Alkalinity:</b> N/A
Product is perfumed (herbal fragrance).	

SECTION X - STABILITY AND REACTIVITY
<b>Possible Hazardous Reactions/Conditions:</b> None known
<b>Conditions to Avoid:</b> None
<b>Materials to Avoid:</b> None
<b>Hazardous Decomposition Products:</b> None known
<b>Other Recommendations:</b> None

SECTION XI - TOXICOLOGICAL INFORMATION
LD50 (rats oral): >5 ml/kg

SECTION XII - ECOLOGICAL INFORMATION
No concerns at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS
<b>Waste Disposal Method:</b> Do not landfill. Small (household) quantities may be disposed of via sewer with large quantities of water. Incineration is preferred where permitted. <b>DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.</b>

**SECTION XIV - TRANSPORT INFORMATION**

**DOT Classification:** Mr. Clean Liquid Cleaner is not DOT hazardous and is not regulated under the DOT Hazardous Materials Regulations (49 CFR, parts 171-180) which govern the safe transport of hazardous materials.

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

All components are listed on the US TSCA Inventory. No components are affected by Significant New Use Rules (SNURS) under TSCA § 5

No components of Mr. Clean are subject to California Proposition 65.

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

**SECTION XVI - OTHER INFORMATION**

\*N/A. - Not Applicable

\*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.