



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
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Distributed by
Rainbow Technology Corp.
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RTC Products #44162

MATERIAL SAFETY DATA SHEET

MSDS #: RQ1400299 / RQ1312426
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SECTION I - PRODUCT IDENTIFICATION

Identity: **Liquid Hand Dishwashing Detergents and Antibacterial Hand Soaps**
Brand: **JOY**
Finished Products Covered:
Ultra Joy Lemon [96374923]
Ultra Joy Orange Dishwashing Liquid/Antibacterial Hand Soap [99295687]
Joy Lemon [96664151]

P&G Telephone Number: 1-800-253-2753
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: Ingestion may cause transient gastrointestinal irritation.
Eye Contact: May cause mild, transient irritation.
Skin: Transient irritation with prolonged exposure to concentrated material.
Inhalation: N/A

Signs and Symptoms of Exposure:
Ingestion: May result in nausea, vomiting, and/or diarrhea.
Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.
Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin.
Inhalation: 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:

CHEMICAL NAME	COMMON NAME	CAS RN	COMPOSITION RANGE	LD50/LC50
Ethyl alcohol	Ethanol	64-17-5	0.1-1%	LD50(oral, rat) – 7.06 g/kg
These substances are listed because in their pure bulk form they meet the OSHA and/or WHMIS definition of hazardous. Any hazards associated with this finished product are listed in Section II of this MSDS.				

SECTION IV – FIRST AID INFORMATION	
First Aid Procedures: Ingestion: Drink 1 or 2 glasses of water. Eye Contact: Flush thoroughly with water for 15 minutes. Skin: If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. If symptoms persist or recur, seek medical attention. Inhalation: N/A Other: Consumer product package has the following precautionary statement on the back label: “For external use only. Keep out of the reach of children. If Dawn gets in eyes, rinse thoroughly with water. If swallowed, drink a glass of water to dilute.”	
SECTION V - FIRE FIGHTING INFORMATION	
Flammable Properties: The liquid hand dishwashing detergents have a flashpoint of 115-135°F (46.1-57.2°C) Pensky-Martens (Closed cup). However, the detergents do not sustain combustion according to ASTM D4206.	
Flammable Properties: 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: N/A	
Explosion Data (Sensitivity to Mechanical Impact): N/A Explosion Data (Sensitivity to Static Discharge): N/A	
Extinguishing Media: Suitable: CO ₂ , water or dry chemical may be used. Unsuitable: N/K	
Protection of Firefighters: Specific Hazards Arising from the Material: None.	
SECTION VI - ACCIDENTAL RELEASE MEASURES	
Personal Precautions: None Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Solutions of the detergents may be allowed to be flushed down sewer - First check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill. Steps To Be Taken in Case Material is Released or Spilled: Prevent spills from reaching a waterway. Sorbents may be used. Read “Waste Disposal Method” below for further information.	
SECTION VII – HANDLING AND STORAGE	
Precautions To Be Taken in Handling: No special precautions necessary. Precautions To Be Taken in Storage: No special precautions necessary.	
SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION	
Recommended Exposure Guidelines: N/A Engineering Controls: N/A Personal Protective Equipment (PPE): N/A Eye/Face Protection: None required with normal household use. <i>Industrial Setting:</i> For splash protection, use chemical goggles. Eye wash fountain is recommended. Skin Protection: None required with normal household use. <i>Industrial Setting:</i> Protective gloves (rubber, neoprene) should be used for prolonged direct contact. Respiratory Protection: No special precautions for casual exposure. Ventilation <i>Local Exhaust:</i> None required with normal consumer use. <i>Special:</i> None <i>Industrial (General):</i> Normal/general dilution ventilation is acceptable. <i>Other:</i> None	

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Clear, opaque or colored liquids.

Odor: Perfumed

Odor Threshold: N/A

Physical State: Liquid hand dishwashing solution

Vapor Pressure (mm Hg): N/K

Vapor Density (Air=1): N/K

Boiling Point: N/K

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

Volatile Organic Compound (VOC): Not applicable - Product not regulated for VOC Content at State or Federal level

Flash Point (Method Used): 115-135°F (46.1-57.2°C) Pensky-Martens (Closed cup) but do **not** sustain combustion according to ASTM D4206.

Reserve Alkalinity: N/A

Solubility in Water: Complete

Decomposition Temperature: N/K

Evaporation Rate (nBuOAc=1): N/K

Specific Gravity/Density: ca. 1

Melting/Freezing Point: ~ 30 °F (-1.1°C)

pH (10% solution): 9

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known

Incompatible Materials: None

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: None known

SECTION XI - TOXICOLOGICAL INFORMATION

Liquid hand dishwashing detergents have a relatively low order of toxicity, may cause transient irritation and are expected to be emetic.

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: This finished product is not carcinogenic. **NTP:** No **IARC:** No **OSHA:** No

SECTION XII - ECOLOGICAL INFORMATION

All surfactants are readily biodegradable.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS

Non Household Setting: 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). Disposal should be in accordance with local, state and federal regulations. Solutions of diluted detergent in the course of use, may be allowed to be flushed down sewer. First check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.

California Hazardous Waste: Not hazardous, in accordance with 22 CCR 66261.20 through 22 CCR 66261.24

Household Use: Household product is safe for disposal down the drain during detergent use or in the trash. Dispose of empty bottle in the trash or recycle where facilities exist.

SECTION XIV - TRANSPORT INFORMATION

Products covered by this MSDS, in their original form, are not regulated for transportation.

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.

This product is not subject to warning labeling under California Proposition 65.

EPA Reg. No.: Not Applicable

This product contains the following SARA 313/302/304/311/312 chemicals:

None

This product contains the following CERCLA chemicals:

Chemical Name	CAS Number	Max Range in Product (%)
Ethanol	64-17-5	1.0%

State Right-to-Know:

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

INGREDIENT	CAS RN	MAX LEVEL	STATE				
			IL	MA	NJ	PA	RI
Ethanol	64-17-5	1.0 %	X	X	X	X	X

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

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.