



MATERIAL SAFETY DATA SHEET

MSDS #: FH/L/2006/RWRB-6SQJ3Y
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SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Hand Dishwashing Detergent** **Finished, Packaged Product**

Brands:

Ultra Dawn Power Plus

Ultra Dawn Plus Hand Care

Ultra Dawn Oxi

Ultra Dawn with Bleach Alternative (Mountain Spring, Fresh Rapids)

Dawn Complete (Original Scent, Apple Blossom, Floral Scent, Antibacterial Hand Soap)

P&G Telephone Number:

DAWN 1-800-725-3296 (DAWN)

or call Local Poison Control Center or your physician

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients listed on the product label are: biodegradable surfactants (anionic and nonionic), enzymes and **no phosphate.**

The active ingredient in the Dawn Complete Dishwashing Liquid + Antibacterial Hand Soap is triclosan at 0.1%. The Drug Facts box on the back label of this product lists all inactive ingredients in the formula.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	1-5%	LD50 (rabbit, oral)= 6300 mg/kg

SECTION III - HAZARDS IDENTIFICATION

Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)
 Ingestions: 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 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 a voluntary avoid accidents statement on the back label: “Keep out of reach of children. If the product 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 are an aqueous solution (>50% water) and do **not** sustain combustion according to ASTM D4206.

Extinguishing Media:
 Suitable: CO2, water or dry chemical.

Protection of Firefighters:
 Specific Hazards Arising from the Material: None
 Special Fire Fighting Procedures: 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 unusual precautions necessary.

Precautions To Be Taken in Storage: No unusual precautions necessary.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Recommended Exposure Guidelines: Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm
OSHA Z-1 PEL 1000 ppm

Engineering Controls:

Personal Protective Equipment (PPE):

Eye/Face Protection: None required with normal household use.

Industrial Setting: For splash protection, use chemical goggles. Eye wash fountain is recommended.

Skin Protection: None required with normal household use.

Industrial Setting: Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

Respiratory Protection: None required with normal household use.

Ventilation *Local Exhaust:* None required with normal consumer use. *Special:* None

Industrial (General): Normal/general dilution ventilation is acceptable. *Other:* None

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point °F: N/K

Specific Gravity (H₂O=1)/Density: ca. 1

Vapor Pressure (mm Hg): N/K

Physical State: Liquid

Vapor Density (Air=1): N/K

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

Flash Point (Method Used): : 115-135°F (46.1-57.2°C) Pensky-Martens (Closed cup). This is an aqueous solution (>50% water) that contains less than 24% by volume of alcohol and does not sustain combustion according to ASTM D4206.

pH (10% solution): 9-9.2

Solubility in Water: Completely

Reserve Alkalinity: N/A

Appearance and Odor: Colored liquids. All products are perfumed.

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

Auto-Ignition Temperature: N/K

Decomposition Temperature: N/K

Evaporation Rate (nBuOAc=1): N/K

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

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Possible Hazardous Reactions/Conditions: None known

Conditions to Avoid: None

Incompatible Materials: None

Hazardous Decomposition Products: None known

SECTION XI - TOXICOLOGICAL INFORMATION

Liquid hand dishwashing detergents have a relatively low order of toxicity. They may be irritating, but they are not expected to be corrosive. They are expected to be emetic.

SECTION XII - ECOLOGICAL INFORMATION

All surfactants are readily biodegradable. These products are safe for septic tanks.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

Household Disposal: Household product is safe for disposal down the drain with running water. The empty container may be discarded in the trash or recycled where facilities exist.

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). The products are aqueous solutions (>50% water) that contain less than 24% by volume of alcohol. 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.

SECTION XIV - TRANSPORT INFORMATION

Transportation Information – These products are not regulated for transportation.

For finished, packaged product transported by ground (DOT): Not regulated
 For finished, packaged product transported by water/vessel (IMDG): Not regulated
 For finished, packaged product transported by air (IATA): Not regulated

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All intentionally-added components are listed on the US TSCA Inventory.
 These products are not subject to warning labeling under California Proposition 65.
 Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.
 All ingredients are CEPA approved for import to Canada by Procter & Gamble only.

SECTION XVI - OTHER INFORMATION

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.

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