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## MATERIAL SAFETY DATA SHEET

MSDS #: FH/L/2006/RWRB-6SQJ3Y  
Supersedes: FH/L/2005/RWRB-6QQE2Z

Issue Date: 9/2/06  
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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: CO<sub>2</sub>, 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 (H<sub>2</sub>O=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.

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.



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## Distilled Water

### SECTION 1: Identification of the substance/mixture and of the supplier

**Product name:** Distilled Water

**Manufacturer/Supplier Trade name:**

**Manufacturer/Supplier Article number:** S25868

**Recommended uses of the product and restrictions on use:**

#### Manufacturer Details:

AquaPhoenix Scientific, Inc  
9 Barnhart Drive, Hanover, PA 17331  
(717) 632-1291

#### Supplier Details:

Fisher Science Education  
6771 Silver Crest Road, Nazareth, PA 18064  
(724)517-1954

**Emergency telephone number:**

**Fisher Science Education**  
Emergency Telephone No.: 800-535-5053

### SECTION 2: Hazards identification

**Classification of the substance or mixture:** Not classified for physical or health hazards under GHS.

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

**Other Non-GHS Classification:** None

### SECTION 3: Composition/information on ingredients

#### Ingredients:

CAS 7732-18-5	Deionized Water	100 %
Percentages are by weight		

### SECTION 4: First aid measures

#### Description of first aid measures

##### After inhalation:

Move exposed individual to fresh air.

##### After skin contact:

Wash affected area with soap and water.

##### After eye contact:

Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact



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lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

### After swallowing:

Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

### Most important symptoms and effects, both acute and delayed:

Irritation. Nausea. Headache. Shortness of breath.

### Indication of any immediate medical attention and special treatment needed:

If seeking medical attention, provide SDS document to physician.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing agents:

If in laboratory setting, follow laboratory fire suppression procedures.

#### Unsuitable extinguishing agents: None

### Special hazards arising from the substance or mixture: None

### Advice for firefighters:

#### Protective equipment: None

#### Additional information (precautions):

Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Stop the spill, if possible. Contain spilled material by diking or using inert absorbent.

### Environmental precautions:

Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13.

### Methods and material for containment and cleaning up:

If in a laboratory setting, follow Chemical Hygiene Plan procedures. Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. If necessary, use trained response staff/contractor.

### Reference to other sections: None

## SECTION 7: Handling and storage

### Precautions for safe handling:

Follow good hygiene procedures when handling chemical materials. Avoid splashes or spray in enclosed areas.

### Conditions for safe storage, including any incompatibilities:

Store in cool, dry conditions in well sealed containers.

## SECTION 8: Exposure controls/personal protection



### Control Parameters:

No applicable occupational exposure limits.



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- Appropriate Engineering controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling.
- Respiratory protection:** Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed.
- Protection of skin:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation being used/handled. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- Eye protection:** Safety glasses with side shields or goggles.
- General hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin.

### SECTION 9: Physical and chemical properties

<b>Appearance (physical state, color):</b>	Clear, colorless liquid.	<b>Explosion limit lower:</b>	Not Determined
		<b>Explosion limit upper:</b>	Not Determined
<b>Odor:</b>	Odorless	<b>Vapor pressure at 20°C:</b>	17.5 mmHg @20C
<b>Odor threshold:</b>	Not Determined	<b>Vapor density:</b>	Not Determined
<b>pH-value:</b>	Not Determined	<b>Relative density:</b>	1.000
<b>Melting/Freezing point:</b>	0C	<b>Solubilities:</b>	None
<b>Boiling point/Boiling range:</b>	100C	<b>Partition coefficient (n-octanol/water):</b>	Not Determined
<b>Flash point (closed cup):</b>	Not Determined	<b>Auto/Self-ignition temperature:</b>	Not Determined
<b>Evaporation rate:</b>	Not Determined	<b>Decomposition temperature:</b>	Not Determined
<b>Flammability (solid, gaseous):</b>	Not Determined	<b>Viscosity:</b>	a. Kinematic: Not Determined b. Dynamic: Not Determined
<b>Density at 20°C:</b>	Not Determined		

### SECTION 10: Stability and reactivity

**Reactivity:** None

**Chemical stability:**

No decomposition if used and stored according to specifications.

**Possible hazardous reactions:** None

**Conditions to avoid:**

Store away from oxidizing agents, strong acids or bases.

**Incompatible materials:**

Strong acids. Strong bases.

**Hazardous decomposition products:**

Carbon oxides (CO, CO<sub>2</sub>).

### SECTION 11: Toxicological information



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**Chronic Toxicity:** No additional information.  
**Skin corrosion/irritation:** No additional information.  
**Serious eye damage/irritation:** No additional information.  
**Respiratory or skin sensitization:** No additional information.  
**Carcinogenicity:** See section 15.  
**Germ cell mutagenicity:** No additional information.  
**Reproductive Toxicity:** No additional information.  
**STOT-single and repeated exposure:** No additional information.  
**Additional toxicological information:** No additional information.

### SECTION 12: Ecological information

**Ecotoxicity:** No additional information.  
**Persistence and degradability:**  
Readily degradable in the environment.  
**Bioaccumulative potential:** No additional information.  
**Mobility in soil:**  
Aqueous solution has high mobility in soil.  
**Other adverse effects:** No additional information.

### SECTION 13: Disposal considerations

#### Waste disposal recommendations:

Product/containers must not be disposed together with household garbage. Do not allow product to reach sewage system or open water. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Consult federal state/ provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product.

### SECTION 14: Transport information

#### US DOT

##### UN Number:

ADR, ADN, DOT, IMDG, IATA

Not Dangerous Goods

##### Limited Quantity Exception:

None

##### Bulk:

**RQ (if applicable):** None

**Proper shipping Name:** Not Dangerous Goods.

**Hazard Class:** None

**Packing Group:** Not Dangerous Goods.

**Marine Pollutant (if applicable):** No additional information.

**Comments:** None

##### Non Bulk:

**RQ (if applicable):** None

**Proper shipping Name:** Not Dangerous Goods.

**Hazard Class:** None

**Packing Group:** Not Dangerous Goods.

**Marine Pollutant (if applicable):** No additional information.

**Comments:** None



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#### SECTION 15: Regulatory information

##### United States (USA)

###### SARA Section 311/312 (Specific toxic chemical listings):

None of the ingredients are listed.

###### SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

###### RCRA (hazardous waste code):

None of the ingredients are listed.

###### TSCA (Toxic Substances Control Act):

All ingredients are listed.

###### CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients are listed.

##### Proposition 65 (California):

###### Chemicals known to cause cancer:

None of the ingredients are listed.

###### Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

###### Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

###### Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

##### Canada

###### Canadian Domestic Substances List (DSL):

All ingredients are listed.

#### SECTION 16: Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

NFPA: 0-0-0

HMIS: 0-0-0

GHS Full Text Phrases: None

Abbreviations and Acronyms:



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PNEC Predicted No-Effect Concentration (REACH).  
CFR Code of Federal Regulations (USA).  
SARA Superfund Amendments and Reauthorization Act (USA).  
RCRA Resource Conservation and Recovery Act (USA).  
TSCA Toxic Substances Control Act (USA).  
NPRI National Pollutant Release Inventory (Canada).  
DOT US Department of Transportation.  
IATA International Air Transport Association.  
GHS Globally Harmonized System of Classification and Labelling of Chemicals.  
ACGIH American Conference of Governmental Industrial Hygienists.  
CAS Chemical Abstracts Service (division of the American Chemical Society).  
NFPA National Fire Protection Association (USA).  
HMIS Hazardous Materials Identification System (USA).  
WHMIS Workplace Hazardous Materials Information System (Canada).  
DNEL Derived No-Effect Level (REACH).

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