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

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Issue Date: 3/24/06
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SECTION I - CHEMICAL PRODUCT

Identity: Liquid Hand Dishwashing Detergents

Finished Product

Brands:

DAWN (Ultra Dawn Original Blue, Lemongrass & Orange Blossom, Honeysuckle & Rain, Jasmine & Lavender; 1X Dawn Original, Apple Blossom, Summertime Showers; Ultra Dawn Advanced Action)

DAWN WITH ODOR ERASER (Splash of Lime and Fresh Orange)

IVORY (Ultra Ivory Classic Scent, Gentle Lavender; 1X Ivory Classic Scent)

JOY (Ultra Joy Refreshing Lemon, Glistening Pink Grapefruit, Twist of Lime; 1X Joy Refreshing Lemon; Ultra Joy with Bleach Alternative)

SALVO

P&G Telephone Number:

DAWN 1-800-725-3296 (DAWN)

IVORY 1-800-253-2753 (IVORY)

JOY 1-800-436-1569 (JOY)

SALVO 1-800-824-3076

or call Local Poison Control Center or your physician

SECTION II - COMPOSITION AND INGREDIENTS

Products contain biodegradable anionic and nonionic surfactants and no phosphate.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

Chemical Name	Common Name	CAS No.	Composition Range	LD50/LC50
Ethyl alcohol	Ethanol	64-17-5	1-6%	N/A

I-508036 C-PGC 45114
 I-502110 C-PGC 45112
 I-440853 C-PG600620
 D6m I-424437 C-PGC 45114

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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 Contact:** 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 Contact:** 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 Contact:** 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:** Although this product has a flashpoint below 200°F (closed cup), it is an aqueous solution (>50% water) that does not sustain combustion.**Extinguishing Media:** CO₂, water or dry chemical.**Protection of Firefighters:****Specific Fire Hazards Arising from the Material:** None**Protective Equipment and Precautions for Firefighters:** No unusual precautions necessary.**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.

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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.**Other Precautions:** None known**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION****Exposure Guidelines:** Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm
OSHA Z-1 PEL 1000 ppm**Personal Protective Equipment (PPE):****Eye/Face Protection:** None required with normal consumer use.*Industrial Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.**Skin Protection:** None required with normal use.*Industrial Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact.**Respiratory Protection (Specify Type):** None required with normal use.**Ventilation Local Exhaust:** None required with normal consumer use. *Special:* None*Mechanical (General):* Normal/general dilution ventilation is acceptable. *Other:* None**Other Protective Equipment:** None required with normal use.**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point °F:** Not known**Specific Gravity (H₂O=1)/Density:** ca. 1**Vapor Pressure (mm Hg):** N/A**Physical State:** Liquid**Vapor Density (Air=1):** N/A**Melting/Freezing Point:** ~ 30 °F (-1.1°C)**Flash Point (Method Used):** 115-135°F (46.1-57.2°C)**pH (10% solution):** 8-9.2

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.

Solubility in Water: Completely**Reserve Alkalinity:** N/A**Partition Coefficient (n-octanol/water):** N/A**Explosive Limits: LEL:** N/A **UEL:** N/A**Appearance and Odor:** Purple, Blue, Green, Yellow, Pink or Orange liquids. All products are perfumed.**Odor Threshold:** N/A**SECTION X - STABILITY AND REACTIVITY****Chemical Stability:** Stable**Possible Hazardous Reactions/Conditions:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None

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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 AND LOCAL REGULATIONS. The product waste is not considered RCRA hazardous since it is an aqueous solution (>50% water) that contains less than 24% by volume of alcohol.

Household Use: Household product is safe for disposal down the drain during use or in the trash.

Industrial Setting: 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

Ground Transport (DOT): Not regulated

Air Transport (IATA): Not regulated

Marine/Water Transport (IMDG): 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.

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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