



MATERIAL SAFETY DATA SHEET

MSDS #: LDL 0006
Supersedes: LDL 0005

Issue Date: 09/25/03
Issue Date: 02/10/03

SECTION 1 - IDENTIFICATION			
Identity: Liquid Hand Dishwashing Detergents			
Brands:			
DAWN (All Variations)			
IVORY (All Variations)			
JOY (All Variations)			
SALVO			
Hazard Rating:	Health:	1	4=EXTREME
	Flammability:	1	3=HIGH
	Reactivity:	0	2= MODERATE
			1=SLIGHT
Emergency Telephone Number: 24hr P&G Operator:			
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			

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>
Ethyl alcohol	Ethanol	64-17-5	ACGIH TLV: 1880 mg/m ³	1-6%
Subtilisin	Protease	9014-01-1	NIOSH STEL 0.00006 mg/m ³	<0.01%
Amylase	Amylase	9000-90-2	NIOSH STEL 0.00006 mg/m ³	<0.01%

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: No unusual precautions necessary.

Other Precautions: None known

SECTION VIII - RESPIRATORY CONTROL

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

Eye Protection: None required with normal consumer use.

Industrial Setting: For splash protection, use chemical goggles. Eye Wash fountain is desirable.

Protective Gloves: None required with normal use.

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

Other Protective Equipment: None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point °F: Not known

Specific Gravity (H₂O=1): ca. 1

Vapor Pressure (mm Hg): N/A

Percent Volatile by Volume (%): ~60-65%

Vapor Density (Air=1): N/A

Evaporation Rate (nBuOAc=1): Unknown

Odor Threshold: N/A

Freezing Point: ~ 30 F

Coefficient of Water/Oil Distribution: N/A

pH: 8-9

Scooped Density: N/A

Solubility in Water: Completely

Appearance and Odor: Purple, Blue, Green, Yellow, Pink or Orange liquids. All products are perfumed.

Reserve Alkalinity: N/A

SECTION X - STABILITY AND REACTIVITY

Possible Hazardous Reactions/Conditions: None known

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None known

Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (rats oral): approx 12 mL/kg

ED50 approx 2.3 mL/kg

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 XIV - BIOLOGICAL DEGRADATION

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

SECTION XV - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with Federal, state and local regulations. 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 XVI - TRANSPORT INFORMATION

Dawn, Joy, Ivory and Salvo are non-hazardous under DOT.

SECTION XVII - 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 Dawn, Ivory, Joy or Salvo are subject to California Proposition 65 labeling.
 All ingredients are CEPA approved for import to Canada by Procter & Gamble only.

SECTION XVIII - 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.