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 Procter & Gamble
 Fabric & Home Care Division
 Ivorydale Technical Center
 5299 Spring Grove Avenue
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MATERIAL SAFETY DATA SHEET

MSDS: FH/F/2002/GDGH-5G3JG4
 Supersedes: FH/F/2002/GDGH-58NPMT

Issue Date: 12/4/02
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IDENTIFICATION		HAZARD INFORMATION	
Identity: LIQUID FABRIC SOFTENER Brands: DOWNY NON-CONCENTRATED (APRIL FRESH, TROPICAL BLOOM, AND CLEAN BREEZE)			
Hazard Rating:	Health: 1	4 = EXTREME	
	Flammability: 0	3 = HIGH	
	Reactivity: 0	2 = MODERATE	
		1 = SLIGHT	
Emergency Telephone Number: 24hr P&G Operator - 1-800-688-SOFT (7638) or call Local Poison Control Center			

SECTION 4: COMPOSITION AND INFORMATION	
Ingredients/Chemical Name: Contains biodegradable fabric softening agents (cationic). Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.	
<u>Chemical Name</u>	<u>CAS No.</u>
<u>ACGIH-TLV</u>	<u>OSHA PEL</u>
<u>Composition Range</u>	<u>LD50/LC50</u>
Ethanol	64-17-5
1000 ppm	1000 ppm
0.33 - 1.65%	N/A
Under normal consumer use, this product would not constitute a hazardous product under US OSHA Hazard Communication. With increased exposure (compared with consumer use) this mixture, when tested as a whole, is considered an inhalation hazard (enzymes) and an eye irritant within the meaning of the OSHA Hazard Communication Standard.	

SECTION 5: HEALTH INFORMATION	
Health Hazards (Acute and Chronic):	
Ingestion:	Mild gastrointestinal irritation
Eye Contact:	Slightly irritating
Skin Contact:	Slightly irritating
Inhalation:	None
Signs and Symptoms of Exposure:	
Ingestion:	Oral ingestion may result in gastrointestinal irritation with nausea, vomiting, and/or diarrhea.
Eye Contact:	May result in transient, slight irritation.
Skin Contact:	May result in transient, slight irritation.
Inhalation:	None

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	SECTION 4: FIRST AID MEASURES	SECTION 5: FIRE FIGHTING MEASURES
Emergency and First Aid Procedures: Ingestion: Dilute stomach contents by drinking 1-2 glasses of water; treat symptomatically. Eye Contact: Flush eyes with water. Skin Contact: Rinse exposed skin. Remove contaminated clothing and launder before reuse. Inhalation: None. Other: Consumer product packages have a caution statement: "Not for use on children's sleepwear or other garments labeled as flame resistant, as it may reduce flame resistance."		

	SECTION 6: ACCIDENTAL RELEASE MEASURES	SECTION 7: HANDLING AND STORAGE	SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Flash Point (Method Used): >200F (PM) Explosive Limits: LEL: N.A. UEL: N.A. Extinguishing Media: Use CO2, water, or dry chemical Special Fire Fighting Procedures: Use water to keep fire exposed container cool. Unusual Fire Hazards: None. Materials must be heated considerably for ignition to occur. Stability: Unstable: Conditions to Avoid: None Stable: X Incompatibility (Materials to Avoid): None Hazardous Decomposition/By Products: None Hazardous Polymerization: May Occur: Conditions to Avoid: None Will Not Occur: X			

	SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	SECTION 10: TRANSPORT INFORMATION
Personal Precautions: Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leaks, providing leak/spill has not ignited. Environmental Precautions: Do not landfill Downy Liquid. Any spills are to be prevented from entering waterways. Sorbent may be used. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Steps To Be Taken in Case Material is Released or Spilled: Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak, providing leak/spill has not ignited. Any spills are to be prevented from entering waterways. Sorbents may be used.		

	SECTION 11: TOXICOLOGICAL INFORMATION	SECTION 12: ADDITIONAL INFORMATION
Precautions To Be Taken in Handling and Storing: Store in cool, dry, well ventilated area Other Precautions: None required		

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SECTION VI - EXPOSURE PRECAUTIONS		SECTION VII - PERSONAL PROTECTION
Respiratory Protection (Specify Type): No special precautions for casual exposure.		<i>Special:</i> None
Ventilation	<i>Local Exhaust:</i> Not necessary	
	<i>Mechanical (General):</i> Acceptable	<i>Other:</i> None
Eye Protection: None required for normal use.		
<i>Industrial setting:</i> For splash protection use chemical goggles.		
Protective Gloves: None required for normal use. For prolonged contact, use rubber or neoprene gloves.		
<i>Industrial setting:</i> For prolonged contact, use rubber or neoprene gloves.		
Other Protective Equipment: None required		
<i>Industrial setting:</i> None required		

SECTION VIII - PHYSICAL AND CHEMICAL PROPERTIES	SECTION IX - TOXICOLOGICAL INFORMATION
Boiling Point °F: 184F – 194F	Specific Gravity (H₂O=1): ~ 1.0
Vapor Pressure (mm Hg): N. A.	Percent Volatile by Volume (%): ~ 25.0
Vapor Density (Air=1): N. A.	Evaporation Rate (nBuOAc=1): N. K.
Odor Threshold: N. A.	Freezing Point: ~ 15F
Coefficient of Water/Oil Distribution: N. A.	pH (1% solution): ~ 3.0
Scooped Density: N. A.	Solubility in Water: Completely Soluble
Appearance and Odor: Colored liquid with scent	Physical State: Liquid

SECTION X - REACTIVITY	SECTION XI - STABILITY AND REACTIVITY
Possible Hazardous Reactions/Conditions: None	
Conditions to Avoid: None	
Materials to Avoid: None	
Hazardous Decomposition Products: None	
Other Recommendations: None	

SECTION XII - ECOLOGICAL INFORMATION
LD50 (rats oral): >2000mg/kg

SECTION XIII - ENVIRONMENTAL INFORMATION
No concerns at relevant environmental concentrations

SECTION XIV - WASTE DISPOSAL	SECTION XV - REGULATORY INFORMATION
Waste Disposal Method: Product as shipped is not considered to be hazardous waste when discarded. Large quantities can be disposed of by incineration. Do not landfill. Small Quantities can be flushed down sewer with excess water or dispose as liquid scrap. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.	

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Packaged consumer product and bulk product not considered hazardous under DOT.

CERCLA listed chemicals: Hydrochloric acid (CAS# 7647-01-0) – 5000 lb reportable quantity.
Ethanol (CAS# 64-17-5) – 100 lb reportable quantity.

All intentionally-added components of Downy are listed on the U.S. TSCA Inventory. No components are affected by Significant New Use Rules under TSCA §5.

Liquid Downy Non-Concentrated is not subject to warning labeling under California Proposition 65.

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

*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.