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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
 Issue Date: 4/18/02

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			

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.					

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

LIQUID DOWNY NON-CONCENTRATED FABRIC SOFTENER MSDS (Continued)

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SECTION	DESCRIPTION	RECOMMENDATIONS
Respiratory Protection (Specify Type):	No special precautions for casual exposure.	Special: None
Ventilation	Local Exhaust: Not necessary	Other: None
	Mechanical (General): Acceptable	
Eye Protection:	None required for normal use.	
Industrial setting:	For splash protection use chemical goggles.	
Protective Gloves:	None required for normal use. For prolonged contact, use rubber or neoprene gloves.	
Industrial setting:	For prolonged contact, use rubber or neoprene gloves.	
Other Protective Equipment:	None required	
Industrial setting:	None required	

SECTION	DESCRIPTION	RECOMMENDATIONS
Boiling Point °F:	184F – 194F	Specific Gravity (H ₂ O=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	DESCRIPTION	RECOMMENDATIONS
Possible Hazardous Reactions/Conditions:	None	
Conditions to Avoid:	None	
Materials to Avoid:	None	
Hazardous Decomposition Products:	None	
Other Recommendations:	None	

SECTION	DESCRIPTION	RECOMMENDATIONS
LD50 (rats oral):	>2000mg/kg	

SECTION	DESCRIPTION	RECOMMENDATIONS
	No concerns at relevant environmental concentrations	

SECTION	DESCRIPTION	RECOMMENDATIONS
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.	

