



MATERIAL SAFETY DATA SHEET

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SECTION I - CHEMICAL PRODUCT

Identity: **LIQUID FABRIC SOFTENER**

Brands: **LIQUID DOWNY NON-CONCENTRATE – ALL VARIATIONS**

Hazard Rating: Health: 1 4 = EXTREME
Flammability: 1 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 II - COMPOSITION AND INGREDIENTS

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 1900 mg/m3	1000 ppm 1900 mg/m3	NA	NA

SECTION III - HAZARDS IDENTIFICATION

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

SECTION IV - FIRST AID INFORMATION

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 voluntary warning statement on the back label: "Do not use this product on children's sleepwear or garments labeled as flame resistant as it may reduce flame resistance."

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >83C / 181F **Explosive Limits:** LEL:N.A. UEL: N.A.
 (Pensky-Martens Closed Cup, ASTM-D93)

NOTE: This mixture does not sustain combustion.
 This mixture is an aqueous solution of alcohol (<24%) with >50% water content.

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 VI - ACCIDENTAL RELEASE MEASURES

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 Liquid Downy Non-concentrate Fabric Softener. Any spills are to be prevented from entering waterways. Sorbent may be used. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, PROVINCIAL, 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 storm sewers and waterways. Sorbents may be used.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Store in cool, dry, well ventilated area

Other Precautions: None required

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION	
Respiratory Protection (Specify Type): No special precautions for casual exposure.	
Ventilation	<i>Local Exhaust:</i> Not necessary <i>Special:</i> None
	<i>Mechanical (General):</i> Acceptable <i>Other:</i> None
Eye Protection: None required for normal consumer use. <i>Industrial setting:</i> For splash protection use chemical goggles.	
Protective Gloves: None required for normal consumer 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 for normal consumer use. <i>Industrial setting:</i> None required	

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Boiling Point °F: 84.4C – 90C / 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: ~9.4C / ~15F
Coefficient of Water/Oil Distribution: N. A.	pH (1% solution): 3.5
Scooped Density: N. A.	Solubility in Water: Completely Soluble
Appearance and Odor: Colored liquid with scent	Physical State: Liquid

SECTION X - STABILITY AND REACTIVITY
Possible Hazardous Reactions/Conditions: None
Hazardous Polymerization: Will not occur.
Stability: Stable
Conditions to Avoid: None
Materials to Avoid: None
Hazardous Decomposition Products: None
Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION
LD50 (rats oral): >2000mg/kg

SECTION XII - ECOLOGICAL INFORMATION
The product is intended for wide dispersive use and is compatible with the down-the-drain disposal route, including septic tanks and municipal wastewater treatment processes. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment at relevant environmental concentrations. The softening agents used in the product are biodegradable.

