



MATERIAL SAFETY DATA SHEET

MSDS: FH/F/2004/WGWW-65VN9B Issue Date: 11/1/04
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SECTION I - CHEMICAL PRODUCT

Identity: **LIQUID FABRIC SOFTENER**

Brands: **DOWNY NON-CONCENTRATE (APRIL FRESH, CLEAN BREEZE, TROPICAL CLEAN, SOFT OCEAN MIST, MOUNTAIN SPRING)**

| | | | |
|----------------|---------------|---|--------------|
| 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 | 1000 ppm | 1-5% | N/A |
| Hydrochloric Acid | 7647-01-0 | 2 ppm | 5 ppm | 0.03%-0.13% | 3124 pm/1 hour (rat) 900 mg/kg (rabbit) |

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: "WARNING: Some cotton-containing fluffier fabrics, including fleece and terry cloth, are more flammable than other fabrics. *By increasing fluffiness, using liquid fabric softeners can increase the flammability of these types of fabrics. *Therefore, do not use this product on clothing made with these types of fluffier fabrics. WARNING: 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): >181F / >83C (Pensky- Martens Closed Cup, ASTM-D93) **Explosive Limits:** *LEL:*N.A. *UEL:* N.A.

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.

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 Downy Liquid 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, STATE, OR PROVINCIAL 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 *Local Exhaust:* Not necessary *Special:* None

Mechanical (General): Acceptable *Other:* None

Eye Protection: None required for normal consumer use.

Industrial setting: For splash protection use chemical goggles.

Protective Gloves: None required for normal consumer use. For prolonged contact, use rubber or neoprene gloves.

Industrial setting: For prolonged contact, use rubber or neoprene gloves.

Other Protective Equipment: None required for normal consumer use.

Industrial setting: None required

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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 - 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.

SECTION XIII - DISPOSAL CONSIDERATIONS

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, OR PROVENCIAL AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORT INFORMATION

DOT Classification: This material is not a hazardous material under DOT per 49 CFR 173.120(a)(3), 173.120(b)(3) and 173.150(e)(2).

SECTION XV - ADDITIONAL REGULATORY INFORMATION

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 Liquid Fabric Softener are listed on the U.S. TSCA Inventory. No components are subject to Significant New Use Rules under TSCA §5.

Procter & Gamble’s importation of this product into Canada is in compliance with all CEPA NSN Regulations. This product has been classified with the Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all the information required by the Controlled Products Regulation.

Downy Liquid Fabric Softener is not subject to warning labeling under California Proposition 65.

SECTION XVI - 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.