

Page 1 of 4

Procter & Gamble Fabric & Home Care Division Ivorydale Technical Center 5299 Spring Grove Avenue Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

MSDS: FH/F/2005/AWAM-6CJQE7 Issue Date: 7/12/05 Supersedes: FH/F/2004/WGWW-65VN9B Issue Date: 11/1/04

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.

Chemical CAS No. ACGIH-TLV OSHA PEL Composition Range LD50/LC50

Name

Ethanol 64-17-5 1000 ppm 1000 ppm NA NA

1900 mg/m3 1900 mg/m3

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 glassess of water; treat symptomatically.

Eve 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 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: 84.4C - 90C / 184F - 194F **Specific Gravity (H₂O=1)**: ~ 1.0

 $\begin{tabular}{lll} \mbox{Vapor Pressure (mm Hg): $N.$ A.} \end{tabular} \begin{tabular}{lll} \mbox{Percent Volatile by Volume (%): \sim 25.0} \\ \mbox{Vapor Density (Air=1): $N.$ A.} \end{tabular} \begin{tabular}{lll} \mbox{Evaporation Rate (nBuOAc=1): $N.$ K.} \end{tabular}$

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.

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 disposed as liquid scrap. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, PROVINCIAL, STATE 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 (RQ=Reportable Quantity):

Hydrochloric acid (CAS# 7647-01-0), RQ=5000 lbs.

Ethanol (CAS# 64-17-5), RQ=100 lbs.

Copper dinitrate (CAS# 3251-23-8), RQ=100 lbs.

Ethyl acrylate (CAS# 140-88-5), RQ=1000 lbs.

Acrylic acid (CAS# 79-10-7), RQ=5000 lbs.

Isopropyl alcohol (CAS# 67-63-0), RQ=100 lbs.

Acetic acid (CAS# 64-19-7), RQ=5000 lbs.

Toluene (CAS# 108-88-3), RQ=1000 lbs.

Sodium (CAS# 7440-23-5), RQ= 10 lbs.

Formaldehyde (CAS# 50-00-0), RQ=100 lbs.

2-Phenoxyethanol (CAS# 122-99-6). No RQ established, under the generic name of glycol ethers.

All intentionally-added components of Liquid Downy Non-concentrate Fabric Softener are listed on the U.S. TSCA Inventory. No components are subject to Significant New Use Rules under TSCA §5.

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

Liquid Downy Non-concentrate 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.