



Page 1 of 4  
 Procter & Gamble  
 Fabric and Home Care Division  
 Ivorydale Technical Center  
 5299 Spring Grove Avenue  
 Cincinnati, OH 45217-1087

# MATERIAL SAFETY DATA SHEET

MSDS #: FH/F/2002/WGWW-5AEQW6  
 Supersedes: FH/F/2002/WGWW-58VGFA

Issue Date: 6/29/02

## SECTION I - CHEMICAL PRODUCT

Identity: **Fabric Refresher**

Brands: **FEBREZE (All variations)**

Hazard Rating:

Health: 1 4=EXTREME  
 Flammability: 2 3=HIGH  
 Reactivity: 0 2= MODERATE  
 1=SLIGHT

Emergency Telephone Number: P&G Operator: 1-800-308-EASY (1-800-308-3279) or call Local Poison Control Center

## SECTION II - COMPOSITION AND INGREDIENTS

Ingredients include: Contains water, alcohol, odor eliminator derived from corn, fragrance

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Concentration</u>	<u>LC50/LD50</u>
Ethyl alcohol	Ethanol	64-17-5	OSHA Z-1 PEL: 1000 ppm (1900mg/m3) ACGIH TWA: 1000 ppm (1880 mg/m3) NIOSH REL: 1000 ppm (1900 mg/m3)	1-5%	LD50=13 mL/kg (oral, rats) LC50=N/A

## SECTION III - HAZARDS IDENTIFICATION

### Health Hazards (Acute and Chronic):

Ingestion: None  
 Eye Contact: Mild eye irritant.  
 Inhalation: None

### Signs and Symptoms of Exposure:

Ingestion: Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea.  
 Eye Contact: Do not spray directly toward face. If eye contact occurs, rinse well with water.  
 Skin: Prolonged skin contact or instillation into the eye may result in transient, superficial effects similar to those produced by mild toilet soap.  
 Inhalation: Inhalation of high concentrations of ethanol vapor may cause irritation of the eyes and respiratory tract, drowsiness, and fatigue.

**FEBREZE FABRIC REFRESHER MSDS (Continued)****SECTION IV - FIRST AID INFORMATION****Emergency and First Aid Procedures:**

Inhalation: Remove to fresh air.

Ingestion: Dilute with fluids and treat symptomatically.

Eye Contact: Rinse well with water for at least 15 minutes.

Skin: Rinse with water.

**Other:** Consumer product packages have a caution statement: **USE ONLY AS INTENDED. AVOID ACCIDENTS. KEEP OUT OF THE REACH OF CHILDREN.** Do not spray directly toward face. If eye contact occurs, rinse well with water.

**SECTION V - FIRE FIGHTING INFORMATION****Flash Point (Method Used):** >> 150° F (cc)**Explosive Limits:**

LEL: N/A

UEL: N/A

**Extinguishing Media:** Use CO<sub>2</sub>, water, or dry chemical.**Special Fire Fighting Procedures:** N/A**Unusual Fire Hazards:** N/A**Stability***Unstable:**Conditions to Avoid:* None*Stable:* X**Incompatibility (Materials to Avoid):** None known**Hazardous Decomposition/By Products:** None known**Hazardous Polymerization:***May Occur:**Conditions to Avoid:* None*Will Not Occur:* X**SECTION VI - ACCIDENTAL RELEASE MEASURES****Personal Precautions:** Use chemical goggles and protective gloves (rubber, neoprene) during spill clean-up.**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Slowly flush down sewer with excess water or dispose as liquid scrap.

Discard empty container in trash. Do not landfill liquids.

**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. Any spills are to be prevented from entering waterways. Sorbents may be used.**SECTION VII - HANDLING AND STORAGE****Precautions To Be Taken in Handling and Storing:** Store at room temperature.**Other Precautions:** None

## FEBREZE FABRIC REFRESHER MSDS (Continued)

Page 3 of 4

**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Respiratory Protection (Specify Type):** No special requirements with casual exposure.  
**Ventilation**      *Local Exhaust:* Not necessary.      *Special:* None

*Mechanical (General):* Acceptable      *Other:* None

**Eye Protection:** None required with normal consumer use.

*Industrial Setting:* If a splash of solution is likely, chemical goggles may be needed.

**Protective Gloves:** None required with normal consumer use.

*Industrial Setting:* Minimize skin contact with protective gloves (rubber, neoprene).

**Other Protective Equipment:** None required with normal consumer use.

*Industrial Setting:* Use ventilation to minimize exposure to vapor or mist (ethanol).

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point °F:** ~212°F

**Vapor Pressure (mm Hg):** N/A

**Vapor Density (Air=1):** N/A

**Odor Threshold:** N/A

**Coefficient of Water/Oil Distribution:** N/A

**Density:** ca 0.1 g/mL

**Appearance and Odor:** Clear liquid. Product is perfumed.

**Specific Gravity (H<sub>2</sub>O=1):** ca. 1

**Percent Volatile by Volume (%):** ca. 95

**Evaporation Rate (nBuOAc=1):** N/K

**Freezing Point:** N/A

**pH (1% solution):** 3.5-5.0

**Solubility in Water:** Soluble

**Reserve Alkalinity:** N/A

**SECTION X - STABILITY AND REACTIVITY**

**Possible Hazardous Reactions/Conditions:** None known

**Conditions to Avoid:** None known

**Materials to Avoid:** None

**Hazardous Decomposition Products:** None known

**Other Recommendations:** None

**SECTION XI - TOXICOLOGICAL INFORMATION**

**LD50 (rats oral):** >5000 mg/kg

**SECTION XII - ECOLOGICAL INFORMATION**

No concerns at relevant environmental concentrations.

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Slowly flush down sewer with excess water or dispose as liquid scrap. Disposal is to be performed in compliance with all Federal, State and local regulations. Discard empty container in trash. Do not landfill liquids.

**FEBREZE FABRIC REFRESHER MSDS (Continued)****Page 4 of 4****SECTION XIV - TRANSPORT INFORMATION**

The finished, packaged product is non-hazardous under DOT.

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

All components are listed on the US TSCA Inventory. No components are affected by Significant New Use Rules (SNURs) under TSCA §5.

Febreze 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 Controlled Products Regulation (CPR) and this MSDS contains all required information.

**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.