



## MATERIAL SAFETY DATA SHEET

MSDS #: FH/F/2004/VBVV-63YQ5Y  
Supersedes: FH/F/2004/MBMS-5ZCGW9

Issue Date: 8/30/04  
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### 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/m <sup>3</sup> ) ACGIH TWA: 1000 ppm (1880 mg/m <sup>3</sup> ) NIOSH REL: 1000 ppm (1900 mg/m <sup>3</sup> )	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.



SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION	
<b>Respiratory Protection (Specify Type):</b> No special requirements with casual exposure.	
<b>Ventilation</b>	<i>Local Exhaust:</i> Not necessary. <span style="float: right;"><i>Special:</i> None</span>
	<i>Mechanical (General):</i> Acceptable <span style="float: right;"><i>Other:</i> None</span>
<b>Eye Protection:</b> None required with normal consumer use. <i>Industrial Setting:</i> If a splash of solution is likely, chemical goggles may be needed.	
<b>Protective Gloves:</b> None required with normal consumer use. <i>Industrial Setting:</i> Minimize skin contact with protective gloves (rubber, neoprene).	
<b>Other Protective Equipment:</b> None required with normal consumer use. <i>Industrial Setting:</i> Use ventilation to minimize exposure to vapor or mist (ethanol).	

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
<b>Boiling Point °F:</b> ~212°F	<b>Specific Gravity (H<sub>2</sub>O=1):</b> ca. 1
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Percent Volatile by Volume (%):</b> ca. 95
<b>Vapor Density (Air=1):</b> N/A	<b>Evaporation Rate (nBuOAc=1):</b> N/K
<b>Odor Threshold:</b> N/A	<b>Freezing Point:</b> N/A
<b>Coefficient of Water/Oil Distribution:</b> N/A	<b>pH (1% solution):</b> 2.5-7.5
<b>Density:</b> ca 0.1 g/mL	<b>Solubility in Water:</b> Soluble
<b>Appearance and Odor:</b> Clear liquid. Product is perfumed.	<b>Reserve Alkalinity:</b> N/A

SECTION X - STABILITY AND REACTIVITY
<b>Possible Hazardous Reactions/Conditions:</b> None known
<b>Conditions to Avoid:</b> None known
<b>Materials to Avoid:</b> None
<b>Hazardous Decomposition Products:</b> None known
<b>Other Recommendations:</b> 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
<b>Waste Disposal Method:</b> Slowly flush down sewer with excess water or dispose as liquid scrap. Disposal is to be performed in compliance with all Federal, State or Provincial and local regulations. Discard empty container in trash. Do not landfill liquids.

