



MATERIAL SAFETY DATA SHEET

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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 ³) ACGIH TWA: 1000 ppm (1880 mg/m ³) NIOSH REL: 1000 ppm (1900 mg/m ³)	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 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. 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): >>> 141° F (cc)	Explosive Limits: LEL: N/A UEL: N/A
Extinguishing Media: Use CO ₂ , water, or dry chemical.	
Special Fire Fighting Procedures: N/A	
Unusual Fire Hazards: N/A	
Stability	<i>Unstable:</i> Conditions to Avoid: None <i>Stable: X</i>
Incompatibility (Materials to Avoid): None known	
Hazardous Decomposition/By Products: None known	
Hazardous Polymerization:	<i>May Occur:</i> Conditions to Avoid: None <i>Will Not Occur: X</i>

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 OR PROVINCIAL 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	

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION	
Respiratory Protection (Specify Type): No special requirements with 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 with normal consumer use. <i>Industrial Setting:</i> If a splash of solution is likely, chemical goggles may be needed.	
Protective Gloves: None required with normal consumer use. <i>Industrial Setting:</i> Minimize skin contact with protective gloves (rubber, neoprene).	
Other Protective Equipment: 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	
Boiling Point °F: ~212°F	Specific Gravity (H₂O=1): ca. 1
Vapor Pressure (mm Hg): N/A	Percent Volatile by Volume (%): ca. 95
Vapor Density (Air=1): N/A	Evaporation Rate (nBuOAc=1): N/K
Odor Threshold: N/A	Freezing Point: N/A
Coefficient of Water/Oil Distribution: N/A	pH (1% solution): 2.5-7.5
Density: ca 0.1 g/mL	Solubility in Water: Soluble
Appearance and Odor: Clear liquid. Product is perfumed.	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 or Provincial and local regulations. Discard empty container in trash. Do not landfill liquids.

