



The Procter & Gamble Company  
P&G Household Care  
Fabric & Home Care Innovation Center  
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## MATERIAL SAFETY DATA SHEET

MSDS #: RQ0703385

Issue Date: 01/22/2012

Supersedes: FH/F/2004/MBMS-5WANR6

Issue Date: 11/21/07

### SECTION I - PRODUCT IDENTIFICATION

**Identity:** Fabric Refresher

**Finished Product**

**Brands:** FEBREZE FABRIC REFRESHER - ANTIMICROBIAL

**P&G Telephone Number:** 1-800-308-EASY (1-800-308-3279)  
or call Local Poison Control Center or your physician.

### SECTION II - HAZARDS IDENTIFICATION

**Potential Health Hazards (Acute and Chronic):** (See Section 11 for more information)

Ingestion: None known.

Eye Contact: Mild eye irritant.

Skin Contact: Prolonged skin contact may result in transient, superficial effects similar to those produced by mild toilet soap

Inhalation: None known.

**Signs and Symptoms of Exposure:**

Ingestion: Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea.

Eye Contact: Instillation into the eye may result in transient, superficial effects similar to those produced by mild toilet soap.

Skin Contact: Prolonged skin contact 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.

Medical Conditions Generally Known to be Aggravated by Exposure: None known.

**Potential Environmental Effects:** (See Section 12 for more information)

### SECTION III - COMPOSITION AND INGREDIENTS

Ingredient listed on the product label are:

Active ingredients: Didecyl Dimethyl Ammonium Chloride.....0.13%

Other ingredients: .....99.87%

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition</u> <u>Range</u>	<u>LD50/LC50</u>
Ethyl Alcohol	Ethanol	64-17-5	1-5%	7.06 g/kg rat, oral

#### SECTION IV – FIRST AID INFORMATION

**First Aid Procedures:**

Ingestion: Dilute with fluids and treat symptomatically.

Eye Contact: Hold eyelids open and rinse slowly and gently with water for at least 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Rinse with water.

Inhalation: Remove to fresh air.

**Note to Physician:** Treat symptomatically.

**Other:** Consumer product package has the following front panel caution statements:

**KEEP OUT OF THE REACH OF CHILDREN.**

**CAUTION: See back panel for other precautions.**

Consumer product package has the following back panel caution statements:

**CAUTION: May cause eye irritation. Avoid contact with eyes.**

**FIRST AID: IF IN EYES. Hold eyelids open and rinse slowly and gently with water for at least 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.**

#### SECTION V - FIRE FIGHTING INFORMATION

**Flash Point (Method Used):** 159 °F / 71 °C (Closed Cup/ASTM D 56)

Product do not sustain combustion (ASTM D 4206)

**Flammable Properties:** Products are not considered flammable, and do not sustain combustion

Upper Flammable Limit: N/K

Lower Flammable Limit: N/K

**Explosive Limits:** UEL: N/A LEL: N/A

**Auto-ignition Temperature:** N/K

**Hazardous Combustion Products:** None known

**Explosion Data (Sensitivity to Mechanical Impact):** N/A

**Explosion Data (Sensitivity to Static Discharge):** N/A

**Extinguishing Media:**

Suitable: CO<sub>2</sub>, water, or dry chemical may be used.

Unsuitable: N/K

**Protection of Firefighters:**

Specific Hazards Arising from the Material: None known

Protective Equipment and Precautions for Firefighters: Normal fire-fighting gear.

## 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 federal, state and local regulations. This is a FIFRA regulated product. Do not allow bulk spills to reach sewers or surface waterways, dispose as liquid scrap. Small, single consumer package spills may be flushed down the sewer with excess water. Empty containers can be disposed of in normal trash stream. Do not landfill liquids.

**Methods for Containment:** Dike or contain bulk spills with sand, kitty litter or other absorbent material to prevent spills from entering a sewer or surface waterway.

**Methods for Cleanup:** Transfer spilled material to a suitable secondary container (drum, bucket, etc.) by pumping bulk liquids or shoveling absorbed materials. Dispose of the material in compliance with federal, state and local regulations.

**Other Information:** See Section 13.

## SECTION VII – HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** None.

**Precautions To Be Taken in Storage:** Store at room temperature.

## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm  
OSHA Z-1 PEL 1000 ppm

**Engineering Controls:** None required

### Personal Protective Equipment (PPE):

Eye/Face Protection: None required for normal consumer use.

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

Skin Protection: None required for normal consumer use.

*Industrial setting:* Minimize skin contact with protective gloves (rubber or neoprene).

Respiratory Protection: None required with normal consumer use.

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

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

### Appearance (color, physical form, shape):

Clear liquid

**Flash Point (Method Used):** 159 °F / 71 °C (Closed Cup/ATSM D 56)

Product do not sustain combustion (ASTM D 4206)

**Odor:** Product is perfumed.

**Reserve Alkalinity:** N/A

**Odor Threshold:** N/A

**Solubility in Water:** Soluble

**Physical State:** Liquid

**Decomposition Temperature:** N/A

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

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

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

**Specific Gravity/Density:** ~ 1.0

**Boiling Point:** ~ 212 °F / ~ 100 °C

**Melting/Freezing Point:** N/A

**Partition Coefficient (n-octanol/water):** N/A

**pH (100% solution):** 3.7 – 5.0

**Volatile Organic Compound (VOC):** Product complies with US State and Federal regulations for VOC content.

## SECTION X - STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** N/K

**Incompatible Materials:** N/K

**Hazardous Decomposition Products:** N/K

**Possibility of Hazardous Reactions:** N/K

## SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (oral): > 5000 mg/kg.

LD50 (dermal): > 5000 mg/kg.

**Chronic Effects:** No chronic health effects reported.

**Target Organs:** No target organs reported.

**Carcinogenicity:** NTP: No      IARC: No      OSHA: No

## SECTION XII - ECOLOGICAL INFORMATION

There are no concerns at relevant environmental concentrations. Based on ecotoxicity and fate data for the individual ingredients in this formulation and for similar consumer product formulations, this product is anticipated to be non-hazardous to the environment following consumer usage.

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Disposal is to be performed in compliance with federal, state/provincial and local regulations.

*Non-household Setting (US Federal):* Industrial disposal of product in finished, consumer-ready packaging must be disposed of as an organic pesticide. Records must be kept of the disposal that document the method of disposal, the date of disposal, the location of the disposal site, the type of pesticide disposed of (organic pesticide), and the amount of pesticide disposed of. Disposal records must be retained for 20 years. Incineration is preferred where permitted.

Product removed from finished, consumer-ready packaging may be disposed of as non-pesticidal, liquid waste which is non-hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

*Non-Household Setting (California):* Hazardous, in accordance with 22 CCR 66261.20 through 22 CCR 66261.24.

*Household Use:* Consumers may dispose of small (household) quantities down the drain with large quantities of water. Discard empty container in trash or thoroughly rinse and recycle container where facilities exist.

## SECTION XIV - TRANSPORT INFORMATION

**Ground Transport (US DOT):** Products covered by this MSDS, in their original form, are not regulated for transportation.

**Air Transport (IATA):** – not regulated

**Marine/Water Transport (IMDG):** – not regulated

**SECTION XV - REGULATORY INFORMATION****United States:**

All intentionally-added components of this product are listed on the US TSCA Inventory.

EPA Registration Number: 3573-69

SARA 313/302/304/311/312 chemicals: None

*California:* This product has been evaluated and does not require warning labeling under California Proposition 65.

California Registration Number: 3573-69

**State Right-to-Know and CERCLA:**

The following ingredients present in the finished product at > 1% (or > 0.1% for carcinogens) are listed on state right-to-know lists or state worker exposure lists

Ingredient	CAS #	Level	CERCLA RQ	State				
				IL	MA	NJ	PA	RI
Ethanol	64-17-5	1-5%	100 lbs.	X	X	X	X	X

**Other:** Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

**SECTION XVI - OTHER INFORMATION**

P&G Hazard Rating:	Health:	1	4=EXTREME
	Flammability:	1	3=HIGH
	Reactivity:	0	2=MODERATE
			1=SLIGHT
			0=NOT SIGNIFICANT

\*N/A. - Not Applicable

\*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

**DISCLAIMER:** This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.