

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/2004/MBMS-5WANR6 Supersedes: N/A Issue Date: 3/03/04 Issue Date N/A

SECTION I - CHEMICAL PRODUCT				
Identity: Fabric Refresher				
Brands: Febreze Antimicrobial				
Hazard Rating:	Health:	1	4=EXTREME	
	Flammability:	2	3=HIGH	
	Reactivity:	0	2= MODERATE	
			1=SLIGHT	
Emergency Telephone N	umber: P&G Operator:	1-800-308-E	EASY (1-800-308-3279) or call Local Poison Control	
Center				

SECTION II - COMPOSITION AND INGREDIENTS						
Components		Percent	CAS #	<u>Expo. Limits</u>	LD50/LC50	
Didecyl Dimethyl Ammonium Chloride		0.13 %	7173-53-5			
Other Ingredients		99.87 %				
Other Ingredients include: Contains water, alcohol, odor eliminator derived from corn, fragrance         Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. <u>Chemical</u> <u>Common</u> <u>CAS</u> <u>Recommended Limits</u> <u>Concentration</u> <u>LC50/LD50</u> <u>Name</u> <u>No.</u> Ethyl alcohol       Ethanol       64-17-5       OSHA Z-1 PEL: 1000 ppm       1-5%       LD50=13 mL/kg (oral, rats)				<u>LC50/LD50</u> LD50=13 mL/kg		
			ACGIH TWA: (1880 mg/m3) NIOSH REL: 1 (1900 mg/m3)			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				
<b>Emergency and First Aid Proc</b>	edures:			
Inhalation: Remove to fresh air.				
Ingestion: Dilute with fluids and treat symptomatically.				
Eye Contact: Hold eyelides open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minuters, then continue rinsing eye. Call a poison control center or doctor for treatment advice.				
Skin: Rinse with water.				
Other: Consumer product packages have a caution statement: <b>KEEP OUT OF THE REACH OF CHILDREN</b> . <b>CAUTION</b> : May cause eye irritation. Avoid contact with eyes. <b>FIRST AID: IF IN EYES:</b> Hold eye lids open and rinse slowly and gently with water for 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): >>	> 150° F (cc)	Explosive Limits:	LEL: N/A	UEL: N/A
Flash Point (Method Used): >> Extinguishing Media: Use CO <sub>2</sub>		Explosive Limits:	LEL: N/A	UEL: N/A
, , , , , , , , , , , , , , , , , , ,	, water, or dry chemical.	Explosive Limits:	LEL: N/A	UEL: N/A
Extinguishing Media: Use CO <sub>2</sub>	, water, or dry chemical.	Explosive Limits:	LEL: N/A	UEL: N/A
<b>Extinguishing Media</b> : Use CO <sub>2</sub> Special Fire Fighting Procedur Unusual Fire Hazards: N/A	, water, or dry chemical.	Explosive Limits: Conditions to Avoid:		UEL: N/A
Extinguishing Media: Use CO2Special Fire Fighting ProcedualUnusual Fire Hazards: N/AStabilityUnsul	, water, or dry chemical. res:. N/A	-		UEL: N/A
Extinguishing Media: Use CO2Special Fire Fighting ProcedualUnusual Fire Hazards: N/AStabilityUnsul	, water, or dry chemical. res:. N/A table: le: X	-		UEL: N/A
Extinguishing Media: Use CO2Special Fire Fighting ProcedurUnusual Fire Hazards: N/AStabilityUnsuUnsuStabilityStability	, water, or dry chemical. res:. N/A table: le: X Avoid): None known	-		UEL: N/A

## 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. This is a FIFRA regulated product. 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.

Will Not Occur: X

Other Precautions: None

	SECTION VIII - EXPOSURE CONTROLS,	PERSONAL PROTECTIO	ON		
Respiratory Protection (Specify Type): No special requirements with casual exposure.					
Ventilation	Local Exhaust: Not necessary.	Special: N	None		
	Mechanical (General): Acceptable	Other: N	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. This is a FIFRA regulated product.

## 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.

Chemical Name	<u>CERCLA RQ</u>
Ethanol	100 lbs
Hydrochloric Acid	5000 lbs

EPCRA (SARA Title III) Section 313 Toxic Chemical: Hydrochloric Acid 1.0% De Minimis Concentration

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.