



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

SECTION II - COMPOSITION AND INGREDIENTS					
<u>Components</u>	<u>Percent</u>	<u>CAS #</u>	<u>Expo. Limits</u>	<u>LD50/LC50</u>	
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 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.

SECTION IV - FIRST AID INFORMATION
<p>Emergency and First Aid Procedures:</p> <p>Inhalation: Remove to fresh air.</p> <p>Ingestion: Dilute with fluids and treat symptomatically.</p> <p>Eye Contact: Hold eyelids 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.</p> <p>Skin: Rinse with water.</p> <p>Other: Consumer product packages have a caution statement: KEEP OUT OF THE REACH OF CHILDREN. CAUTION: May cause eye irritation. Avoid contact with eyes. FIRST AID: IF IN EYES: 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.</p>

SECTION V - FIRE FIGHTING INFORMATION
<p>Flash Point (Method Used): >> 150° F (cc) Explosive Limits: <i>LEL:</i> N/A <i>UEL:</i> N/A</p> <p>Extinguishing Media: Use CO₂, water, or dry chemical.</p> <p>Special Fire Fighting Procedures: N/A</p> <p>Unusual Fire Hazards: N/A</p> <p>Stability <i>Unstable:</i> <i>Conditions to Avoid:</i> None <i>Stable:</i> X</p> <p>Incompatibility (Materials to Avoid): None known</p> <p>Hazardous Decomposition/By Products: None known</p> <p>Hazardous Polymerization: <i>May Occur:</i> <i>Conditions to Avoid:</i> None <i>Will Not Occur:</i> X</p>

SECTION VI - ACCIDENTAL RELEASE MEASURES
<p>Personal Precautions: Use chemical goggles and protective gloves (rubber, neoprene) during spill clean-up.</p> <p>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.</p> <p>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.</p>

SECTION VII - HANDLING AND STORAGE
<p>Precautions To Be Taken in Handling and Storing: Store at room temperature.</p> <p>Other Precautions: None</p>

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): 3.5-5.0
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 and local regulations. Discard empty container in trash. Do not landfill liquids. This is a FIFRA regulated product.

