

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 Issue Date: 3/03/04 Supersedes: N/A 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

Components Percent CAS# Expo. Limits LD50/LC50

7173-51-5 Didecyl Dimethyl Ammonium Chloride 0.13 %

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.

Common CAS **Recommended Limits** Concentration LC50/LD50 Chemical

Name No. Name

64-17-5 Ethanol OSHA Z-1 PEL: 1000 ppm 1-5% LD50=13 mL/kg Ethyl alcohol

(1900 mg/m3)

(oral, rats) ACGIH TWA: 1000 ppm LC50=N/A

(1880 mg/m3)

NIOSH REL: 1000 ppm

(1900 mg/m3)

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: 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: **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.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): $>> 150^{\circ}$ F (cc) Explosive Limits: LEL: N/A UEL: N/A

Extinguishing Media: Use CO₂, water, or dry chemical.

Special Fire Fighting Procedures:. N/A

Unusual Fire Hazards: N/A

Stability Unstable: Conditions to Avoid: None

Stable: X

Incompatibility (Materials to Avoid): None known **Hazardous Decomposition/By Products**: None known

Hazardous Polymerization: May Occur: Conditions to Avoid: None

Will Not Occur: X

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.

Other Precautions: None

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection (Specify Type): No special requirements with casual exposure.

Ventilation Local Exhaust: Not necessary. Special: None

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Mechanical (General): Acceptable Other: 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 Specific Gravity (H₂O=1): ca. 1

Vapor Pressure (mm Hg): N/APercent Volatile by Volume (%): ca. 95Vapor Density (Air=1): N/AEvaporation Rate (nBuOAc=1): N/K

Odor Threshold: N/A

Coefficient of Water/Oil Distribution: N/A

Density: ca 0.1 g/mL

Appearance and Odor: Clear liquid. Product is

Freezing Point: N/A

pH (1% solution): 3.5-5.0

Solubility in Water: Soluble

Reserve Alkalinity: N/A

perfumed.

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.

<u>Chemical Name</u> <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.

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