Material Safety Data Sheet
Medi-Aire, Fresh Air

Version: US
Date Prepared: 03/02/06
Revision No. 2

1. Product and Company Identification

Product Name: Medi-Aire, Fresh Air, Lemon, or Unscented
Product Code: 7000A, 7000AF, 7008A, 7000AF, 7012A, 7018A, 7024A, and 7024AF
General Use: Air Freshener

Manufacturer:
CR Bard Inc.
Bard Medical Division
8195 Industrial Blvd.
Covington Ga. 30014
Contact: Quality Assurance Department
General Information: (800) 227-3357

2. Composition/Information on Ingredients

Hazardous components greater than 1.0%

Chemical Name	CAS#	%Wt	PEL/TLV
Ethyl Alcohol	64-17-5	32-33%	1000ppm

3. Hazards Identification:

Routes of Entry: Eyes, Skin, Inhalation, and Ingestion.
Signs and Symptoms of Overexposure:

Eyes: Redness and possible itching and/or tearing of the eyes.

Skin: Redness and/or itching of the skin.

Ingestion: Possible nausea and/or vomiting.

Inhalation: Possible coughing, burning, tightness of chest, and/or shortness of breathe.

Carcinogenicity: Not listed by NTP
Not Listed by IARC
Not Listed by OSHA

Medical Conditions Aggravated: None Known

Target Organ Statement: Long term repeated oral exposure to ethyl alcohol may result in the development of progressive liver injury with fibrosis. Repeated exposure over ingestion of Ethyl Alcohol by pregnant women has been shown to adversely affect the central nervous system of the fetus, producing a collection of effects, which together constitute fetal alcohol syndrome.

Sensitization: Not Available

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4. First Aid Measures:

Eyes: Immediately flush eyes with plenty of water for fifteen minutes. Remove any contact lenses and continue flushing for 15 minutes. Seek medical attention

Skin: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Seek medical attention. Wash contaminated clothing and shoes before reuse.

Ingestion: Never give anything by mouth if victim is unconscious or having convulsions. If victim is conscious and able to swallow, give water or milk to dilute. Seek immediate medical attention, or contact the Poison Control Center. Induce vomiting if advised by physician.

Inhalation: Remove from further exposure, and seek medical attention.

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5. Fire Fighting Measures

Flash Point and Method: 187ºF (ASTM D-1130)

Flammable Limits: Not Available
Auto-ignition Temperature: Not Available
General Hazard: Evacuate personnel upwind of fire to avoid inhalation or irritating and/or harmful fumes and smoke.

Extinguishing Media: Water, CO_2 (Carbon Dioxide), Dry Chemical
Hazardous Combustion Products: Oxides of Carbon
Special Firefighting Procedures: None
Sensitivity to Static Discharge: Not Available
Sensitivity to Impact: Not Available

6. Accidental Release Measures

Spill Procedure: Wipe up material immediately and wash affected area with soap and water. Dispose in accordance with applicable laws.

7. Handling and Storage

Store in a cool well-ventilated area. Keep away from heat, sparks, flame, and any other ignition sources.

8. Exposure Controls/Personal Protection

Exposure Limits

Chemical Name	TWA (ACGIH)	STEL/Ceiling (ACGIH)	PEL (OSHA)	STEL/Ceiling (OSHA)
Ethyl Alcohol	1000ppm	Not Listed	1000ppm	Not Listed

Personal Protective Equipment:

Eyes and Face: Not required – Avoid contact with eyes.
Skin: Not required – Avoid contact with eyes.
Respiratory: Not required – Provide adequate ventilation.

Work Hygienic Practice: Follow label instructions.

9. Physical and Chemical Properties

Physical State	Liquid
Odor	Fresh Air
Color	Blue-Green
Vapor Pressure @100ºF ASTM D-323	93mmHg
Boiling Point	187ºF
Flash Point ASTM D-1310	141ºF
Melting Point	N/A
Solubility in Water	Complete
%Volatile by Volume	32%
Specific Gravity	0.960-0.970

10. Stability and Reactivity

Stable: Yes
Hazardous Polymerization: No
Conditions to Avoid: Heat, Flame, and other sources of Ignition.
Stability: The product is stable under normal ambient conditions of temperature, and pressure.
Polymerization: Will not occur.
Hazardous Decomposition Products: Oxides of Carbon
Incompatible Materials: Strong Oxidizers

11. Toxicological Information

Eye Effects: This material may cause irritation to the eyes.
Skin Effects: Over exposure may cause Dermatitis.
Inhalation Effects: Overexposure may cause irritation of respiratory tract.
Ingestion Effects: May cause nausea, vomiting, headaches, dizziness, and gastrointestinal irritation.

Toxicity:
LD_{50} Oral-Rat: 7060mg/kg
LD_{50} IPR-Rat: 4070mg/kg
LD_{50} Oral-Mouse: 7800mg/kg
LD_{50} IV-Rat: 1440mg/kg
(Toxicity data is based on Anhydrous Ethanol)

Inhalation LC_{50}: Not Available
Sensitization: None Identified
Target Organs: Long term repeated oral exposure to ethyl alcohol may result in the development of progressive liver injury with fibrosis. Repeated ingestion of ethyl alcohol by pregnant women has been shown to adversely affect the central nervous system of the fetus, and produce a collection of effect, which together constitute fetal alcohol syndrome.

Carcinogenicity:
IARC: Not Listed
NTP: Not Listed
OSHA: Not Listed

Mutagenicity: Not Available
Reproductive Affects: Not Available
Teratogenic Effects: Not Available

12. Ecological Information

Not expected to cause adverse environmental effects. Not considered environmentally harmful from normal dilution, expected usage, and typical drainage to sewers, septic systems and treatment plants.

13. Disposal Guidelines

Dispose of waste according to local, state/province, federal, and international regulations.

14. Transport Information

U.S. Department of Transportation (DOT)
Proper Shipping Name: Not restricted by DOT
Label: Use Product Identifier, "Trade Name".

15. Regulatory Information

Components in this product at a level that would require reporting under this Statute:

SARA Title III (Superfund Amendments and Reauthorization Act):
Section 302, 304, 311, and 312 (40CFR 370): None
Section 313 Reportable Ingredients (40 CFR 372): None

CERCLA (Comprehensive Environmental Response Compensation and Recovery Act) RQ: None

TSCA (Toxic Substances Control Act):
TSCA Inventory (40 CFR 710, Subpart B): Ethyl Alcohol is listed on the TSCA Inventory.

State Regulations:
Pennsylvania: Hazardous substances must be identified
Hazardous Substances (≥1%): Ethyl Alcohol CAS# 64-17-5

Massachusetts: Hazardous substances and extraordinary hazardous substances must be identified.
Extraordinary Hazardous Substances: None
Hazardous Substances (≥1%): Ethyl Alcohol CAS# 64-17-5

California Proposition 65: This product does not contain any substance(s), which are defined by the state of California to cause cancer, birth defects, or other reproductive toxins.

16. Other Information

Reason for Issue: MSDS Revision
Information Contact: (800) 227-3357

HMIS Rating		**NFPA Rating**	
Health	0	Health	0
Flammability	2	Flammability	2
Reactivity	0	Reactivity	0

Key 4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

Manufacturer Disclaimer: This MSDS has been compiled by CR Bard, Inc. from various sources of information for this material. Although CR Bard, Inc. believes the information contained within the MSDS is correct as of the date indicated below, it has had to rely on information received, for example, outside vendors, which can not be independently verified.

This MSDS was prepared by:
Bard Medical Division
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Covington Ga. 30014

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