

Medi-Aire, Fresh Air  
 Version: US  
 Date Prepared: 09/Oct/14  
 Revision No. 4

## 1. Product and Company Identification

**Product Name:** Medi-Aire, Fresh Air  
**Product Code:** 7000A, 7000AF, 7008A, 7000AF, 7012A, 7018A, 7024A, and 7024AF  
**Identified Use:** Biological Odor Eliminator - Air Freshener

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

## 2. Hazard Identification

**GHS Classification of the substance or mixture**  
 Flammable liquid (Category 3), H226 Flammable liquid or vapor

**GHS Label elements, including precautionary statements**

Pictogram



Signal Word      Warning

Hazard Statement(s)  
 H226      Flammable liquid or vapor

Precautionary Statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P270	Do not eat, drink or smoke when using this product
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P370+378	In case of fire: Use dry sand, dry chemical, or alcohol resistant foam for extinction
P403+235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container to an approved waste disposal plant

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### 3. Composition/Information on Ingredients

#### Substances

Synonyms            Medi-Aire Fresh

#### Contains Ethanol

Formula	C <sub>2</sub> H <sub>6</sub> O
Molecular Weight	46.07g/mol
CAS-No	64-17-5
EC-No	200-578-6
Index-No	603-002-00-5

Hazardous components greater than 1.0%

<u>Chemical Name</u>	<u>Classification</u>	<u>Concentration</u>
Ethyl Alcohol	Flam. Liq. 3; H226	32 - 33%

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### 4. First Aid Measures:

**General advice:** This product is intended to be used as an air freshener. Use of this product under normal circumstances is safe. However, overexposure or abuse of this product can produce an intoxicated effect on an individual due to the ethanol content.

**In case of eye contact:** Immediately flush eyes with plenty of water for fifteen minutes. Remove any contact lenses and continue flushing for 15 minutes. Consult a physician

**In case of skin contact:** Wash area with plenty of soap and water. Consult a physician.

**If swallowed:** DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**If inhaled:** Remove from further exposure.

**Most important symptoms and effects, both acute and delayed:**  
Slurred speech, dizziness, intoxicated effects.

**Indication of any immediate medical attention and special treatment needed:**  
No data available

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### 5. Fire Fighting Measures

#### Extinguishing Media:

Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide

#### Special hazards arising from the substance or mixture

No data available

### **Advice for Firefighters**

Wear self-contained breathing apparatus for firefighting if necessary

### **Further Information**

Use water spray to cool unopened containers

### **General Hazard**

Evacuate personnel upwind of fire to avoid inhalation or irritating and/or harmful fumes and smoke.

### **Hazardous Combustion Products**

Oxides of Carbon

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## **6. Accidental Release Measures**

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### **Environmental precautions**

Prevent further leakage or spillage if it is safe to do so.

### **Methods and materials for containment and cleaning up**

Contain spillage. Wipe up material immediately and wash affected area with soap and water. Dispose in accordance with applicable waste disposal laws.

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## **7. Handling and Storage**

### **Precautions for safe handling**

Keep away from source of ignition sources – No smoking. Avoid contact with skin and eyes.

### **Conditions for safe storage, including incompatibilities**

Keep container tightly closed in a dry well-ventilated place. Keep away from heat, sparks, flame, and any other ignition sources.

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## **8. Exposure Controls/Personal Protection**

### **Exposure Limits - Ethanol**

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

## Exposure controls

### Appropriate engineering controls

Handle in accordance with good hygiene practices. Wash hands after use.

### Personal protective equipment

Normal use of this product does not require personnel protection equipment.

### Skin Protection

Protect hands with butyl rubber or nitrile rubber gloves

### Body Protection

Impervious clothing, flame retardant protective clothing. Type of protective clothing must be selected according to the concentration and amount of substance in the workplace.

### Respiratory Protection

Where risk assessment shows air purifying respirators are appropriate use a full face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a back-up to engineering controls. If respirator is the sole means of protection use a full-face supplied air respirator.

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## 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Odor</b>	Fresh Air
<b>Color</b>	Blue-Green
<b>Vapor Pressure @100°F ASTM D-323</b>	93mmHg
<b>Boiling Point</b>	187°F (86°C)
<b>Flash Point ASTM D-1310</b>	141°F (60.5°C)
<b>Melting Point</b>	No Data Available
<b>Solubility in Water</b>	Complete
<b>% Volatile by Volume</b>	32%
<b>Specific Gravity</b>	0.960-0.970

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## 10. Stability and Reactivity

### Reactivity

No Data Available

### Chemical Stability

Stable under normal conditions

### Possibility of hazardous reactions

Vapors may form explosive mixtures with air

### Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

**Incompatible materials**

Alkali metals, ammonia, oxidizing agents, peroxides

**Hazardous decomposition products**

Oxides of carbon

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**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:** (Toxicity data is based on Anhydrous Ethanol)

**Acute toxicity**

LD50 Oral - Rat - 7,060 mg/kg

Remarks: Lungs, Thorax, or Respiration: Other changes.

LC50 Inhalation - Rat - 10h - 20000ppm

Dermal: No data available

**Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

**Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Mild eye irritation - 24 h

(OECD Test Guideline 405)

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

No data available

Reproductive toxicity - Human - female - Oral

Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects.  
Effects on Newborn: Drug dependence.

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: KQ6300000

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**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.

**Toxicity**

No Data Available

**Persistence and degradability**

No Data Available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No Data Available;

**Other adverse effects**

No data available

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**13. Disposal Guidelines**

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

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## 14. Transport Information

**DOT Proper Shipping Name:** Not considered a DOT Hazard  
**DOT Hazard Class/Division:** N/A  
**DOT Packaging Group:** N/A

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## 15. Regulatory Information

### SARA 302 Components

No chemicals in this material are subject to reporting requirements of SARA Title III, section 302

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, section 313

### SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

### TSCA (Toxic Substances Control Act):

**TSCA Inventory (40 CFR 710, Subpart B):** Ethyl Alcohol is listed on the TSCA Inventory.

### Pennsylvania Right to know components

Ethyl Alcohol CAS# 64-17-5

### Massachusetts Right to know components

Ethyl Alcohol CAS# 64-17-5

### New Jersey Right to know components

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.

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## 16. Other Information

**Reason for Issue:** MSDS Revision

**Information Contact:** (800) 227-3357

Flammable liquid

H225 Flammable liquid or vapor

### HMIS Rating

Health 0  
Flammability 2  
Reactivity 0

### NFPA Rating

Health 0  
Flammability 2  
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  
CR Bard, Inc.  
Covington Ga. 30014

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