

# Material Safety Data Sheet

## Medi-Aire, Unscented

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

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### 1. Product and Company Identification

**Product Name:** Medi-Aire, Unscented  
**Product Code:** 7000U, 7008U, 7008UF, 7018U, 7024U, and 7024UF  
**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

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### 2. Composition/Information on Ingredients

Hazardous components greater than 1.0%

| <u>Chemical Name</u> | <u>CAS#</u> | <u>% Wt</u> | <u>PEL/TLV</u> |
|----------------------|-------------|-------------|----------------|
| Ethyl Alcohol        | 64-17-5     | 12-13%      | 1000ppm        |

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### 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:** >210°F (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<sub>2</sub> (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

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## 6. Accidental Release Measures

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

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## 7. Handling and Storage

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

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## 8. Exposure Controls/Personal Protection

### Exposure Limits

| <u>Chemical Name</u> | <u>TWA</u><br><u>(ACGIH)</u> | <u>STEL/Ceiling</u><br><u>(ACGIH)</u> | <u>PEL</u><br><u>(OSHA)</u> | <u>STEL/Ceiling</u><br><u>(OSHA)</u> |
|----------------------|------------------------------|---------------------------------------|-----------------------------|--------------------------------------|
| 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.

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## 9. Physical and Chemical Properties

|                                  |             |
|----------------------------------|-------------|
| Physical State                   | Liquid      |
| Odor                             | Unscented   |
| Color                            | Purple      |
| Vapor Pressure @100°F ASTM D-323 | 52mmHg      |
| Boiling Point                    | 210°F       |
| Flash Point ASTM D-1310          | >210°F      |
| Melting Point                    | N/A         |
| Solubility in Water              | Complete    |
| % Volatile by Volume             | 12%         |
| Specific Gravity                 | 0.982-0.994 |

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## 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

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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:**      **LD<sub>50</sub> Oral-Rat:** 7060mg/kg

**LD<sub>50</sub> IPR-Rat:** 4070mg/kg

**LD<sub>50</sub> Oral-Mouse:** 7800mg/kg

**LD<sub>50</sub> IV-Rat:** 1440mg/kg

(Toxicity data is based on Anhydrous Ethanol)

**Inhalation LC<sub>50</sub>:** 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

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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.

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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

#### **U.S. Department of Transportation (DOT)**

**Proper Shipping Name:** Not restricted by DOT

**Label:** Use Product Identifier, "Trade Name".

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### 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 ( $\geq 1\%$ ):** Ethyl Alcohol CAS# 64-17-5

**Massachusetts:** Hazardous substances and extraordinary hazardous substances must be identified.

**Extraordinary Hazardous Substances:** None

**Hazardous Substances ( $\geq 1\%$ ):** 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.

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## 16. Other Information

**Reason for Issue:** MSDS Revision

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

### **HMIS Rating**

Health 0

Flammability 1

Reactivity 0

### **NFPA Rating**

Health 0

Flammability 1

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.

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