

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

3. Composition/Information on Ingredients

Substances

Synonyms Medi-Aire Fresh

Contains Ethanol

Formula	C ₂ H ₆ 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%

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

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

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.

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.

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.

9. Physical and Chemical Properties

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

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

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

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

13. Disposal Guidelines

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

14. Transport Information

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

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.

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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