



The Procter & Gamble Company  
P&G Household Care  
Fabric & Home Care Innovation Center  
5299 Spring Grove Avenue  
Cincinnati, OH 45217-1087

# MATERIAL SAFETY DATA SHEET

Issue Date: Mar 2014

## SECTION I - PRODUCT IDENTIFICATION

**Identity:** AEROSOL AIR REFRESHER

**Finished Product**

**Brands:** FEBREZE AIR EFFECTS (all scents, including seasonal scents)

**P&G Telephone Number:** 1-800-308-EASY (1-800-308-3279) or call Local Poison Control Center or your physician.

**Emergency (24 hour) Telephone Number:** CHEMTREC 1-800-424-9300 – in the U.S. and Canada  
1-703-527-3887 - for calls originating elsewhere

## SECTION II - HAZARDS IDENTIFICATION

**Potential Health Hazards (Acute and Chronic):** (See Section 11 for more information)

Ingestion: None

Eye Contact: Mild eye irritant

Skin: None

Inhalation: None

**Signs and Symptoms of Exposure:**

**Ingestion:** Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea.

**Eye Contact:** Do not spray toward face. If eye contact occurs, rinse well with water.

**Skin Contact:** Prolonged skin contact or instillation into the eye may result in transient, superficial effects similar to those produced by mild toilet soap.

**Inhalation:** Intentional misuse by deliberately concentrating and inhaling pressurized product may be harmful or fatal. Inhalation of high concentrations of ethanol vapor may cause irritation of the eyes and respiratory tract, drowsiness and fatigue.

Medical Conditions Generally Known to be Aggravated by Exposure: None

**Potential Environmental Effects:** (See Section 12 for more information)

## SECTION III - COMPOSITION AND INGREDIENTS

**Ingredients/Chemical Name:** Water, alcohol, odor eliminator derived from corn, fragrance, non-flammable natural propellant, quality control ingredients. Contents under pressure with nitrogen.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. and/or WHMIS under the HPA:

| <u>Chemical Name</u> | <u>Common Name</u> | <u>CAS No.</u> | <u>Composition</u><br><u>Range</u> | <u>LD50/LC50</u>    |
|----------------------|--------------------|----------------|------------------------------------|---------------------|
| Ethanol              | Alcohol            | 64-17-5        | 3-7%                               | 7.06 g/kg rat, oral |

#### SECTION IV – FIRST AID INFORMATION

##### First Aid Procedures:

Ingestion: Dilute with fluids and treat symptomatically.

Eye Contact: Rinse well with water for at least 15 minutes.

Skin Contact: Rinse with water.

Inhalation: Remove to fresh air.

**Note to Physician:** (if applicable)

**Other:** Consumer product package has the following precautionary statement:

##### US Product Package:

FRONT PANEL: **CAUTION: CONTENTS UNDER PRESSURE.** Read back panel carefully.

BACK PANEL: **CAUTION:** Intentional misuse by deliberately concentrating and inhaling pressurized product may be harmful or fatal. **KEEP OUT OF REACH OF CHILDREN AND PETS.** Do not spray towards face. If eye contact occurs, rinse well with water. If irritation persists, get medical attention. Do not expose to heat or open flame or store at room temperatures above 120F. Dispose of properly. Do not puncture or incinerate container.

##### Canadian Product Package:

FRONT PANEL: **CAUTION: CONTENTS UNDER PRESSURE.**

BACK PANEL: **CAUTION:** CONTAINER MAY EXPLODE IF HEATED. Do not puncture. Do not burn. Store away from heat. Some hard surfaces may become damp when sprayed. Avoid slips or falls. **KEEP OUT OF REACH OF CHILDREN.** Do not spray towards face. If eye contact occurs, rinse well with water.

#### SECTION V - FIRE FIGHTING INFORMATION

**Flash Point (Method Used):** 125-140°F (cc)/ 51.66- 60°C Although this product has a flashpoint below 200°F (closed cup), it is an aqueous solution ( >50% water) that does **not** sustain combustion.

Aerosol was tested per the appropriate tests in the UN Manual of Tests and Criteria to classify as Aerosols 2.2.

**Flammable Properties:** Mixture and propellant are not flammable.

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

**Explosive Limits:** UEL: N/A LEL: N/A

**Auto-ignition Temperature:** N/K

**Hazardous Combustion Products:** N/K

**Explosion Data (Sensitivity to Mechanical Impact):** N/A

**Explosion Data (Sensitivity to Static Discharge):** N/A

##### Extinguishing Media:

Suitable: CO<sub>2</sub>, water or dry chemical may be used.

Unsuitable: N/K

##### Protection of Firefighters:

Specific Hazards Arising from the Material: N/K

Protective Equipment and Precautions for Firefighters: Normal fire-fighting gear.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** None

**Environmental Precautions:** Disposal is to be performed in compliance with federal, state/provincial and local regulations. Aerosol cans, when disposed as waste, are regulated as D003 reactive hazardous waste in some US states because of their potential to explode when heated. Check with your State/provincial environmental agency for guidance. Do not landfill liquid. Incinerate all expelled liquid.

**Methods for Containment:** 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.

**Methods for Cleanup:** For individual cans, expel liquid, collect, incinerate, puncture container and send as scrap metal for recycling.

**Other Information:** (if applicable): N/A

## SECTION VII – HANDLING AND STORAGE

### Precautions For Safe Handling

**For Household Setting:** Keep out of reach of children and pets. Do not expose to heat or open flame or store at room temperatures above 120°F. Dispose properly. Do not puncture or incinerate container.

**For Non – Household Setting:** Avoid puncturing or otherwise damaging aerosol containers and packaging when using forklifts or other material handling equipment.

**Conditions for Safe Storage:** Do not expose to heat or flame.

**For Household Setting:** Pressurized container. Store at room temperature. Do not expose to temperatures above 120°F.

**For Non-Household Use:** Pressurized container. Store at room temperature. Do not expose to temperatures above 120°F. Store in accordance with local requirements for NFPA Aerosol Level 1 products.

## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm  
OSHA Z-1 PEL 1000 ppm

**Engineering Controls:** N/A

### Personal Protective Equipment (PPE):

Eye/Face Protection: None required for normal consumer use.

*Industrial setting:* If a splash of solution is likely, chemical goggles may be needed.

Skin Protection: None required for normal consumer use.

*Industrial setting:* Minimize skin contact with protective gloves (rubber or neoprene).

Respiratory Protection: None required with normal consumer use.

*Industrial setting:* Use ventilation to minimize exposure to vapor or mist (ethanol).

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

|                                                                                                              |                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appearance (color, physical form, shape):</b> Clear liquid.                                               | <b>Flash Point (Method Used):</b> 125-140°F (cc)/ 51.66- 60°C. Although this product has a flashpoint below 200°F (closed cup), it is an aqueous solution ( >50% water) that does <b>not</b> sustain combustion. |
| <b>Odor:</b> Perfume                                                                                         | Aerosol was tested per the appropriate tests in the UN Manual of Tests and Criteria to classify as Aerosols 2.2.                                                                                                 |
| <b>Odor Threshold:</b> N/A                                                                                   | <b>Solubility in Water:</b> Soluble                                                                                                                                                                              |
| <b>Physical State:</b> liquid                                                                                | <b>Decomposition Temperature:</b> N/A                                                                                                                                                                            |
| <b>Vapor Pressure (mm Hg):</b> N/A                                                                           | <b>Evaporation Rate (nBuOAc=1):</b> N/K                                                                                                                                                                          |
| <b>Vapor Density (Air=1):</b> N/A                                                                            | <b>Specific Gravity/Density (H<sub>2</sub>O=1):</b> ~ 1.0                                                                                                                                                        |
| <b>Boiling Point:</b> 212°F / ~100°C                                                                         | <b>Melting/Freezing Point:</b> N/A                                                                                                                                                                               |
| <b>Partition Coefficient (n-octanol/water):</b> N/A                                                          | <b>Reserve Alkalinity:</b> N/A                                                                                                                                                                                   |
|                                                                                                              | <b>pH (neat):</b> 4.0-5.0                                                                                                                                                                                        |
|                                                                                                              | <b>pH (neat):</b> 7.0 (Pet Odor Eliminator, Pure Refreshment and Clean Citrus)                                                                                                                                   |
|                                                                                                              | <b>pH (neat):</b> 4.5-5.5 (Allergen Reducer and Heavy Duty)                                                                                                                                                      |
| <b>Volatile Organic Compound (VOC):</b> Product complies with State and Federal regulations for VOC content. |                                                                                                                                                                                                                  |

## SECTION X - STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Conditions to Avoid:** Avoid extreme heat.

**Incompatible Materials:** N/K

**Hazardous Decomposition Products:** N/K

**Possibility of Hazardous Reactions:** N/K

## SECTION XI – TOXICOLOGICAL INFORMATION

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.  
LD50 (rats oral) – estimated >5000 mg/kg

**Chronic Effects:** No chronic health effects reported.

**Target Organs:** No target organs reported.

**Carcinogenicity:** This finished consumer product is not carcinogenic.

NTP: No

IARC: No

## SECTION XII - ECOLOGICAL INFORMATION

This product is intended for dispersive use. The ingredients do not pose a significant hazard to aquatic organisms and will not cause any long-term adverse effects in the environment at environmentally relevant concentrations. The container is compatible with municipal solid waste systems and will not pose a hazard to the environment when properly handled.

### SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Disposal is to be performed in compliance with federal, state/provincial and local regulations. Aerosol cans, when disposed as waste, are regulated as D003 reactive hazardous waste in some States because of their potential to explode when heated. Check with your State/provincial environmental agency for guidance. Do not landfill liquid. Incinerate all expelled liquid.

*Non-Household Setting (federal):* For individual bottles, expel liquid, collect and incinerate. Puncture container and send as scrap metal for recycling.

*Non-Household Setting (California):* Hazardous, in accordance with 22 CCR 66261.20 through 22 CCR 66261.24

*Household Use:* Consumer may discard empty container in trash, or recycle where facilities exist.

### SECTION XIV - TRANSPORT INFORMATION

**Transportation Information** – Products covered by this MSDS, in their original form, are regulated for transportation.

For finished packaged product transported by ground (US DOT): **Consumer Commodity ORM-D.**

For finished packaged product transported by sea (IMDG): **UN1950, Aerosols, 2.2**

For finished packaged product transported by air (IATA): **ID8000 Consumer Commodity, 9**

### SECTION XV - REGULATORY INFORMATION

#### UNITED STATES - FEDERAL

All intentionally-added components of this product are listed on the US TSCA Inventory.

EPA Registration Number: Not Applicable

SARA chemicals: This product contains the following SARA 313/302/304/311/312 chemicals: NONE

#### STATES:

This product is not subject to warning labeling under California Proposition 65.

#### State Right-to-Know and CERCLA:

The following ingredients present in the finished product are listed on state right-to-know lists or state worker exposure lists:

| Ingredient | CAS#    | Level | States |    |    |    |    | CERCLA RQ |
|------------|---------|-------|--------|----|----|----|----|-----------|
|            |         |       | IL     | MA | NJ | PA | RI |           |
| Ethanol    | 64-17-5 | 3-7%  | X      | X  | X  | X  | X  | 100 lbs   |

#### Canada

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

## SECTION XVI - OTHER INFORMATION

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

|                    |               |   |                   |
|--------------------|---------------|---|-------------------|
| P&G Hazard Rating: | Health:       | 1 | 4=EXTREME         |
|                    | Flammability: | 1 | 3=HIGH            |
|                    | Reactivity:   | 0 | 2=MODERATE        |
|                    |               |   | 1=SLIGHT          |
|                    |               |   | 0=NOT SIGNIFICANT |

\*N/A. - Not Applicable

\*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

**DISCLAIMER:** This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.