

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

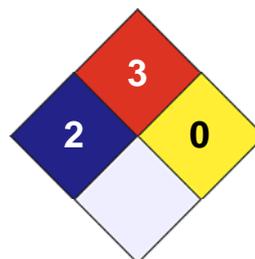
Product name AIR WICK® FRESHMATIC™ Automatic Spray Refill – Multiple Scents
CAS # Mixture
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).
 This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

Product Use Air freshener

Distributed by Reckitt Benckiser (Canada) Inc.
 1680 Tech Avenue Unit #2
 Mississauga, ON L4W 5S9
 In Case of Emergency: 1-800-338-6167
 Transportation Emergencies: 24 Hour Number:
 North America: CHEMTREC: 1-800-424-9300
 Outside North America: 1-703-527-3887

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	* 2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



2. Hazards Identification

Emergency overview EXTREME DANGER: CONTENTS MAY CATCH FIRE. CONTAINER MAY EXPLODE IF HEATED. MAY IRRITATE EYES AND SKIN. DO NOT smoke. DO NOT puncture. DO NOT burn. DO NOT get in eyes, on skin or clothing. Use only in a well-ventilated area. Keep away from flames, such as pilot light, and any other object that sparks, such as electric motor. Store away from heat.

KEEP OUT OF REACH OF CHILDREN AND PETS.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes May cause eye irritation.

Skin May cause skin irritation.
 May cause allergic reaction in some individuals.

Inhalation Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion May be harmful if swallowed.

Target organs Eyes.

Chronic effects The finished product is not expected to have chronic health effects.

Signs and symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Potential environmental effects This product has not been tested.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Distillates (petroleum), light hydrotreated	64742-47-8	40 - 70
1,1-Difluoroethane	75-37-6	10 - 30

Components	CAS #	Percent
Butane	106-97-8	10 - 30
Propane	74-98-6	7 - 13
Proprietary fragrance	Mixture	1 - 5

4. First Aid Measures

First aid procedures

Eye contact	If in eyes, IMMEDIATELY flush eyes thoroughly with water. Remove any contact lenses and continue to flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.
Skin contact	If on skin, wash area with soap and water. Discontinue use IMMEDIATELY and get medical attention if a reaction develops.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
Ingestion	If swallowed, do NOT induce vomiting. Call a physician or Poison Control Center IMMEDIATELY. Wash out mouth with water. Never give anything by mouth to an unconscious person.

Notes to physician

Treat patient symptomatically.

General advice

Do not puncture or incinerate container. Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.

5. Fire Fighting Measures

Flammable properties

Extremely flammable. Exposure to temperatures above 49°C (120°F) may cause bursting. All aerosols are pressurized products and will eventually burst if exposed to very high temperatures, or if involved in a fire. They will then release the propellant gas which is extremely flammable (Butane).

NFPA AEROSOL LEVEL: Flammability Rating 3, per NFPA 30B

Extinguishing media

Suitable extinguishing media Dry chemical. Foam.

Unsuitable extinguishing media Water.

Protection of firefighters

Specific hazards arising from the chemical Contents under pressure. Pressurised container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.

Protective equipment for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact Not available.

Sensitivity to static discharge Not available.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material. Shut off all sources of ignition.

Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Advise authorities if product has penetrated drains, sewers or water pipes.
Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

7. Handling and Storage

Handling	<p>Ensure adequate ventilation.</p> <p>Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn after use. Keep away from all sources of ignition. Fires involving aerosols with flammable contents are severe and can spread quickly. Warehouses or stores containing aerosols should therefore be separated from other areas by a fire resistant construction. Stores should be well ventilated. The natural ventilation in a large open warehouse building will normally be suitable.</p> <p>Do not spray on a naked flame or any other incandescent material</p> <p>Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. Do not ingest. Avoid contact with eyes, skin and clothing. DO NOT spray towards face. Avoid breathing vapours or mists.</p>
Storage	<p>DO NOT reuse batteries. Batteries contain 0%mercury/0%lead/0%cadmium.</p> <p>Do not store at temperatures above 49°C (120.2°F).</p> <p>Store in original container in a cool, secure area inaccessible to children and pets.</p> <p>Keep away from heat, open flames or other sources of ignition.</p> <p>Do not reuse containers.</p> <p>Keep containers tightly closed and upright to prevent leakage.</p> <p>Keep out of reach of children.</p> <p>NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.</p>

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm

Exposure limits	Not available
Engineering controls	Provide adequate ventilation.
Personal protective equipment	

Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.

Eye / face protection	Avoid contact with eyes. Emergency responders should wear full eye and face protection.
Hand protection	No special requirements under normal use conditions. Emergency responders should wear impermeable gloves.
Skin and body protection	No special requirements under normal use conditions. Prolonged or frequent skin contact may produce an allergic reaction in some individuals.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.
General hygiene considerations	Avoid contact with skin, eyes and clothing. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Misty spray
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Colour	Clear
Form	Aerosol.
Odour	Various
Odour threshold	Not available.
Physical state	Gas.
pH	Not available.
Freezing point	Not available.
Boiling point	Not available.
Pour point	Not available.
Evaporation rate	Not available
Flash point	Not available.
Auto-ignition temperature	Not available.
Flammability Limits in Air, Upper, % by Volume	Not available.
Flammability Limits in Air, Lower, % by Volume	Not available.
Heat of combustion	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Solubility (Water)	Not available.
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with strong acids.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals. Keep away from open flames, hot surfaces and sources of ignition. Protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Extremes of temperatures can occur in cars and near ovens and fireplaces. Do not place in contact with hot surfaces or near naked flames. Do not pierce or burn after use. Do not spray on a naked flame, onto or near a fire, or any incandescent material such as an electric fire. Keep from freezing. Keep away from extreme heat. Exposure to moisture.
Incompatible materials	Caustics. Oxidizers. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Toxicological data		
Components	Species	Test results
1,1-Difluoroethane (CAS 75-37-6)		
Acute		
<i>Inhalation</i>		
LC50	Rat	> 64000 ppm

Components	Species	Test results
Oral LD50	Rat	1500 mg/kg
Butane (CAS 106-97-8)		
Acute Inhalation LC50	Mouse	680 mg/l, 2 Hours
	Rat	276000 ppm, 4 Hours
		658 mg/l/4h
Oral LD50	Not available	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
Acute Dermal LD50	Rabbit	2000 mg/kg
Inhalation LC50	Rat	5.2 mg/l/4h
Oral LD50	Rat	5000 mg/kg
Propane (CAS 74-98-6)		
Acute Inhalation LC50	Rat	> 12000000 ppm, 4 hours
		> 1442.8 mg/l, 15 Minutes
Oral LD50	Not available	

Effects of acute exposure

Eye contact	May cause eye irritation.
Skin contact	May cause skin irritation. May cause allergic reaction in some individuals.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	May be harmful if swallowed.
Sensitisation	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Name of Toxicologically Synergistic Products	Not available.

12. Ecological Information

Ecotoxicity	This product has not been tested.
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Ecotoxicological data

Components	Species	Test results
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
Aquatic		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
		2.9 mg/l, 96 hours
Persistence and degradability	Not available.	
Bioaccumulation/accumulation	Not available	
Mobility in environmental media	Not available.	
Environmental effects	Not available.	
Aquatic toxicity	Not available.	
Partition coefficient		
1,1-Difluoroethane		0.75
Butane		2.89
Propane		2.36
Chemical fate information	Not available.	

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations. Container disposal: Empty containers may be included with domestic refuse for disposal to a landfill. This container may also be recycled in communities where aerosol container recycling is available. Before offering for recycling, empty the can or use the product according to the label instructions.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information**U.S. Department of Transportation (DOT)**

UN 1950, Aerosols, Class 2.1, Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

UN 1950, Aerosols, flammable, Class 2.1

IATA/ICAO (Air)

UN 1950, Aerosols, Class 2.1, Limited Quantity

IMDG (Marine Transport)

UN 1950, Aerosols, Class 2.1, Limited Quantity

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Product Registration: Product is compliant with CCCR regulatory guidelines; a specific registration is not required for this product.

Canada CEPA Schedule I: Listed substance

1,1-Difluoroethane (CAS 75-37-6) Listed.

Canada DSL Challenge Substances: Listed substance

Butane (CAS 106-97-8) Listed.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Butane (CAS 106-97-8) 1 TONNES

Distillates (petroleum), light hydrotreated (CAS 64742-47-8) 1 TONNES

Propane (CAS 74-98-6)

1 TONNES

Canada WHMIS Ingredient Disclosure: Threshold limits

Butane (CAS 106-97-8)

1 %

WHMIS Classification Exempt - Consumer product

Inventory status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer	This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Further information	AIR WICK® FRESHMATIC™ Automatic Spray Refill – Fresh Linen (Snuggle®) (Familiar Favourites®) – 8098482v1.0 AIR WICK® FRESHMATIC™ Automatic Spray Refill – Classic Cinnamon Roll (Cinnabon®)(Familiar Favourites®) – 8070639v1.0 AIR WICK® FRESHMATIC™ Automatic Spray Refill – Glacier Bay (National Parks) – 0353192v1.0
Issue date	07-April-2014
Effective date	01-April-2014
Expiry Date	01-April-2017
Prepared by	Reckitt Benckiser Regulatory Department Phone: 800-333-3899
Other information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.