SAFETY DATA SHEET

Air Wick Pure Freshmatic - Tropical Flowers



1. Product and company identification

Product name : Air Wick Pure Freshmatic - Tropical Flowers

Supplier : Reckitt Benckiser (Canada) Inc. 1680 Tech Avenue, Unit #2

Mississauga, Ontario L4W 5S9

CANADA

Telephone: +1 905 283 7000

Material uses : Air care, instant action (aerosol sprays)

Product use : Consumer SDS # : D8282584 Formulation #: : #8276558_1

Manufacturer : RB Belle Mead, 799 US-206, Hillsborough Township, NJ 08844, United States

Validation date : 19/09/2016. Emergency telephone number : 1-800-338-6167

Transport Emergency : 1-800-424-9300 (U.S. & Canada) CHEMTREC

phone: Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

2. Hazards identification

Emergency overview

Physical state : Liquid. [Aerosol.]
Odor : Characteristic.

Signal word : EXTREME DANGER

Hazard statements : VERY FLAMMABLE. CONTENTS UNDER PRESSURE.

CONTAINER MAY EXPLODE IF HEATED. CONTENTS MAY CATCH FIRE.

MAY IRRITATE EYES. MAY IRRITATE SKIN.

Precautionary measures: Do not smoke. Do not puncture. Do not burn. Do not get in eyes. Do not get on skin

or clothing. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Store away from heat.

NOTE TO PARENTS: Use only as directed. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Help stop inhalant

abuse. For more information visit www.inhalant.org.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Potential acute health effects

Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may

be delayed following exposure.

Potential chronic health effects

Chronic effects : Contains material that may cause target organ damage, based on animal data.

Target organs: Contains material which may cause damage to the following organs: lungs, heart, upper

respiratory tract, skin, central nervous system (CNS).

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 1/11

2. Hazards identification

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

Eyes : Adverse symptoms may include the following:

irritation redness

Medical conditions aggravated by over-

aggravated by overexposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

Recommendations: People suffering from perfume sensitivity should be cautious when using this product.

Air Fresheners do not replace good hygiene practices.

3. Composition/information on ingredients

Name	CAS number	%
Distillates (petroleum) hydrotreated Light	64742-47-8	> 60
Propane	74-98-6	15 - 30
n-butane	106-97-8	1 - 2.5
1,1-difluoroethane	75-37-6	1 - 2.5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

First aid

Protection of first-aiders : Use personal protective equipment as required.

Notes to physician : Treat symptomatically.

5. Fire-fighting measures

Flammability Remark : Not available. Explosibility Remark : Not available.

Flammability of the product Extremely flammable aerosol. In a fire or if heated, a pressure increase

will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

Extinguishing media

Suitable Use an extinguishing agent suitable for the surrounding fire.

Not suitable None known.

Special hazards arising from the substance or mixture

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 2/11

5. Fire-fighting measures

Special exposure hazards

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

Decomposition products may include the following materials:

carbon dioxide carbon monoxide halogenated compounds carbonyl halides

NFPA (30B) aerosol Flammability

Level 3

Fire or projection hazard.

Aerosol cans may explode with extreme heat and become projectiles.

Advice for firefighters

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special remarks on explosion hazards

Sensitivity to mechanical impact Sensitivity to static discharge Not available.

6. Accidental release measures

Personal precautions

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods for cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 3/11

7. Handling and storage

Handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Empty containers retain product residue and can be hazardous.

Do not puncture or incinerate CONTENTS UNDER PRESSURE

Storage

: Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

CONTAINERS SHOULD BE KEPT OUT OF REACH OF CHILDREN. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn after use. Keep away from all sources of ignition. Fires involving flammable aerosols are severe and can spread very quickly. Warehouses and stores containing aerosols should therefore be separated from other areas by a fire resistant construction of at least one half hour duration. Stores should be well ventilated, particularily at low levels. The natural ventilation in a large open warehouse building will normally be suitable. Avoid the storage of aerosols in basesments where practicable.

8. Exposure controls/personal protection

Occupational exposure limits TWA (8 hours) STEL (15 mins) Ceiling (ACGIH TLV)											
Occupational exposure limit	<u>ts</u>	I WA (o nours)	SIEL	(15 mins	5)	Cellin	g (ACGII	H ILV)	
Ingredient	List name	ppm	mg/m³	Other	ppm	mg/m³	Other	ppm	mg/m³	Other	Notations
Distillates (petroleum), hydrotreated light, as total hydrocarbon vapor	US ACGIH 4/2014	-	200	-	-	-	-	-	-	_	[1]
Distillates (petroleum), hydrotreated light, as total hydrocarbon vapour	AB 4/2009	-	200	-	-	-	-	-	-	_	[1]
	BC 2/2015	-	200	-	-	-	-	-	-	-	[1]
Distillates (petroleum), hydrotreated light	ON 1/2013	-	200	-	-	-	-	-	-	_	[1]
propane	AB 4/2009	1000	-	-	-	-	-	-	-	-	
		1000	-	-	-	-	-	-	-	-	
	ON 1/2013	1000	-	-	-	-	-	-	-	-	
	QC 1/2014	1000	1800	-	-	-	-	-	-	-	
butane	US ACGIH 6/2013	-	-	-	1000	-	-	-	-	-	
	AB 4/2009	1000	-	-	-	-	-	-	-	-	
	BC 7/2013	600	-	-	750	-	-	-	-	-	
	ON 1/2013	800	-	-	-	-	-	-	-	}	
	QC 12/2012	800	1900	-	-	-	-	-	-	}	
1,1-difluoroethane	US AIHA 10/2011	1000	-	-	-	-	-	-	-	}	

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 4/11

8. Exposure controls/personal protection

[1]Absorbed through skin.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Manufacturer: Exposure controls

Engineering measures

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

When there is a risk of ignition from static electricity, wear anti-static protective clothing.

When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Other protection

: Not available.

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 5/11

9. Physical and chemical properties

Physical state : Liquid. [Aerosol.]

Flash point : Closed cup: <0°C (<32°F)

Burning time : Not applicable.

Burning rate : Not applicable.

Auto-ignition temperature : Not available.

Flammable limits : Not available.

Color : Not available.

Odor : Characteristic.

Taste : Not available.

Molecular weight : Not applicable.

Molecular formula : Not applicable.

pH : Not available.

Boiling/condensation point : <34°C (<93.2°F)

Melting/freezing point : Not available.

Critical temperature : Not available.

Relative density (g/ml) : 0.66 to 0.70

Bulk density : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Volatility : Not available. **Odor threshold** : Not available. **Evaporation rate** : Not available. **SADT** : Not available. **Viscosity** : Not available. **lonicity (in water)** : Not available. **Dispersibility properties** : Not available. Solubility : Not available.

Physical/chemical properties comments

Aerosol product

Type of aerosol : Spray
Heat of combustion : 40.52 kJ/g

10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame).

: Not available.

Keep away from extreme heat. Protect from moisture. Keep from freezing.

Do not store above 50°C

Incompatible materials: No specific data.

Hazardous decomposition : Under norma

products

: Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 6/11

11. Toxicological information

Acut	te t	oxi	ci	tγ

Product/ingredient name	Result	Species	Dose	Exposure
butane	LC50 Inhalation Vapor	Rat	658000 mg/m³	4 hours

Conclusion/Summary : Not available.

Chronic toxicity

Product/ingredient nameResultSpeciesDoseExposureNot available.

Conclusion/Summary: Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Not available.					

Conclusion/Summary: Not available.Skin: Not available.Eyes: Not available.Respiratory: Not available.

Sensitizer

Product/ingredient name	Route of	Species	Result
	exposure		
Not available.			

Conclusion/Summary : Not available.

Skin : Not available.

Respiratory : Not available.

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

Conclusion/Summary: Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Distillates (petroleum),	A3	-	-	_	-	-
hydrotreated light						

Mutagenicity

Product/ingredient name	Test	Experiment	Result
Not available.			

Conclusion/Summary : Not available.

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

Conclusion/Summary: Not available.

Reproductive toxicity

11. Toxicological information

3 - 1 - 1 - 1	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
Not available.						

Conclusion/Summary Not available.

12. Ecological information

Ecotoxicity

: Water polluting material. May be harmful to the environment if released in large quantities.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Distillates (petroleum), hydrotreated light	Acute LC50 2200 μg/l Fresh water	Fish - Lepomis macrochirus	4 days

Conclusion/Summary

: Not available.

Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Not available.				

Conclusion/Summary

: Not available.

Partition coefficient: n-

: Not available.

octanol/water **Bioconcentration factor**

: Not available.

Mobility Toxicity of the products of

: Not available. : Not available.

biodegradation Other adverse effects

: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

Date of issue : 19/09/2016. 8/11 Code # : FF8276558 1 SDS# : D8282584

14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	UN1950	Aerosols	2.1	-	\Diamond	Limited quantity
TDG Classification	UN1950	AEROSOLS	2.1	-	\Diamond	Limited quantity
Mexico Classification	UN1950	AEROSOLES	2.1	-	\Diamond	Limited quantity
IMDG Class	UN1950	AEROSOLS	2.1	-	\Diamond	Limited quantity
IATA-DGR Class	UN1950	Aerosols, flammable	2.1	-	2	See DG List

PG*: Packing group

15. Regulatory information

United States

U.S. Federal regulations

: TSCA 8(a) PAIR: 2-(4-tert-butylbenzyl)propionaldehyde; α-hexylcinnamaldehyde; anisaldehyde; 3-p-cumenyl-2-methylpropionaldehyde; 4-(4-methyl-3-pentenyl)cyclohex-3 -ene-1-carbaldehyde; phenylacetaldehyde; benzaldehyde; 2-benzylideneheptanal

SARA 302/304: No products were found.

SARA 311/312 Hazards identification: Fire hazard, Delayed (chronic) health hazard Clean Air Act (CAA) 112 regulated flammable substances: propane; butane; 1,

1-difluoroethane

Clean Air Act Section 112 : Not listed

(b) Hazardous Air **Pollutants (HAPs)**

Class I Substances

Clean Air Act Section 602 : Not listed

Clean Air Act Section 602 : Not listed

Class II Substances

: Not listed

DEA List I Chemicals (Precursor Chemicals)

DEA List II Chemicals

: Not listed

(Essential Chemicals) **SARA 311/312 HCS 1994**

Classification : Fire hazard

Delayed (chronic) health hazard

Composition/information on ingredients

Date of issue : 19/09/2016. 9/11 Code # : FF8276558_1 SDS# : D8282584

15. Regulatory information

Name	%	hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (petroleum), hydrotreated light propane butane 1,1-difluoroethane	> 60	Yes.	No.	No.	No.	Yes.
	15 - 30	Yes.	Yes.	No.	No.	Yes.
	1 - 2.5	Yes.	Yes.	No.	No.	Yes.
	1 - 2.5	Yes.	Yes.	No.	No.	Yes.

State regulations

Massachusetts: The following components are listed: PROPANE; BUTANE; DIFLUOROETHANE

New York : None of the components are listed.

New Jersey : The following components are listed: PROPANE; BUTANE; 1,1-DIFLUOROETHANE;

ETHANE, 1,1-DIFLUORO-

Pennsylvania : The following components are listed: PROPANE; BUTANE

<u>Canada</u>

WHMIS (Canada) : Class B-2: Flammable liquid Class B-5: Flammable aerosol.

Canadian lists

Canadian NPRI : The following components are listed: Hydrotreated light distillate; Propane; Butane (all

isomers); Volatile organic compounds

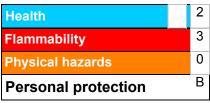
CEPA Toxic substances: The following components are listed: Volatile organic compounds

Canada inventory : Not determined.

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.

16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



NFPA (30B) aerosol Flammability Level 3

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 10/11

16. Other information

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Date of issue : 19/09/2016.

Date of previous issue : 21/07/2015.

Version : 1

Prepared by : Reckitt Benckiser LLC.

Product Safety Department

1 Philips Parkway

Montvale, New Jersey 07646-1810 USA.

FAX: 201-476-7770

Revision comments: Update as per OSHA GHS.

▼ Indicates information that has changed from previously issued version.

Notice to reader

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.

Code # : FF8276558 1 SDS # : D8282584 Date of issue : 19/09/2016. 11//11