# **SAFETY DATA SHEET**



AIR WICK® STICK UPS® Air Freshener - Sparkling Citrus

## 1. Product and company identification

Product name : AIR WICK® STICK UPS® Air Freshener - Sparkling Citrus

**Distributed by** : Reckitt Benckiser LLC.

Morris Corporate Center IV

399 Interpace Parkway (P.O. Box 225) Parsippany, New Jersey 07054-0225

+1 973 404 2600

Reckitt Benckiser (Canada) Inc. 1680 Tech Avenue, Unit #2 Mississauga, Ontario L4W 5S9

**CANADA** 

: 1-800-338-6167

Telephone: +1 905 283 7000

Emergency telephone

number (Medical)

Emergency telephone number (Transport)

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

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

Website: : http://www.rbnainfo.com

Product use : Air care, continuous action (solid and liquid)

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS 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 regulations, and shown in Section 15 of this SDS.

**SDS** # : D8061247 v5.0 **Formulation** #: : #155991\_5

# 2. Hazards identification

Classification of the substance or mixture

: Not classified

**GHS label elements** 

Hazard pictograms : Not applicable.

Signal word : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements** 

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 1/12

NA

## 2. Hazards identification

General : Read label before use. Keep out of reach of children. If medical advice is needed,

have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label

elements

: None known.

**Hazards not otherwise** 

classified

: None known.

# 3. Composition/information on ingredients

**Substance/mixture**: Mixture

Ingredient name	%	CAS number
dl-Limonene (racemic)	0.1 - 1	138-86-3
alpha-Hexylcinnamaldehyde	0.1 - 1	101-86-0
dl-Citronellol	0.1 - 1	106-22-9
Citral	0.1 - 1	5392-40-5
Linalool	0.1 - 1	78-70-6
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	0.1 - 1	68039-49-6

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

### **Description of necessary first aid measures**

**Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get

medical attention if symptoms occur.

**Skin contact**: Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position

comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

## Most important symptoms/effects, acute and delayed

### Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Over-exposure signs/symptoms

**Eye contact** : No specific data.

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 2/12

## 4. First aid measures

Inhalation : No specific data. Skin contact : No specific data. : No specific data. Ingestion

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## 5. Fire-fighting measures

### **Extinguishing media**

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

: No specific fire or explosion hazard.

**Hazardous thermal** decomposition products

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide

Special protective actions for fire-fighters

: 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.

**Special protective** equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

**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).

## Methods and materials for containment and cleaning up

: FF155991 (D8061247) SDS # Code # : D8061247 v5.0 **Date of issue** : 17/05/2017 3/12

## 6. Accidental release measures

### **Small spill**

: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

### Large spill

: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and storage

### Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8).

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

#### **Control**

### Occupational exposure limits

Ingredient name	Exposure limits
dl-Limonene (racemic)	AIHA WEEL (United States, 10/2011). TWA: 30 ppm 8 hours.
Citral	ACGIH TLV (United States, 4/2014). Absorbed through skin. Skin sensitizer. TWA: 5 ppm 8 hours. Form: Inhalable fraction and vapor

### Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**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.

### **Individual protection measures**

**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.

**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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

### **Skin protection**

: FF155991 (D8061247) **SDS** # : D8061247 v5.0 **Date of issue** : 17/05/2017 Code # 4/12

# 8. Exposure controls/personal protection

**Hand protection** : 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.

**Body protection**: 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.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected

based on the task being performed and the risks involved and should be approved by a

specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the

appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important

aspects of use.

: Not available.

# 9. Physical and chemical properties

**Appearance** 

Physical state : Solid. [Gel]
Color : Off-white.

Odor Characteristic. **Odor threshold** : Not available. pН : Not available. **Melting point**  Not available. **Boiling point** : Not available. Flash point : Not available. **Evaporation rate**  Not available. Flammability (solid, gas) Not available.

Lower and upper explosive

(flammable) limits

Vapor pressure : Not available.
Vapor density : Not available.
Relative density : Not available.
Solubility : Not available.
Partition coefficient: n- : Not available.

Partition coefficient: n-octanol/water

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Flow time (ISO 2431) : Not available.

## 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.

Possibility of hazardous reactions

Conditions to avoid : No specific data.

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 5/12

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

# 10. Stability and reactivity

Incompatible materials

: No specific data.

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# 11. Toxicological information

### **Information on toxicological effects**

### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
dl-Limonene (racemic)	LD50 Oral	Rat	5300 mg/kg	-
alpha-Hexylcinnamaldehyde	LD50 Oral	Rat	3100 mg/kg	-
dl-Citronellol	LD50 Dermal	Rabbit	2650 mg/kg	-
	LD50 Oral	Rat	3450 mg/kg	-
Citral	LD50 Dermal	Rabbit	2250 mg/kg	-
	LD50 Oral	Rat	3.45 g/kg	-
Linalool	LD50 Dermal	Rabbit	5610 mg/kg	-
	LD50 Dermal	Rat	5610 mg/kg	-
	LD50 Oral	Rat	2790 mg/kg	-

**Conclusion/Summary** 

: Based on available data, the classification criteria are not met.

## **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
dl-Limonene (racemic)	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
alpha-Hexylcinnamaldehyde	Skin - Severe irritant	Guinea pig	-	24 hours 100	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
	Skin - Severe irritant	Rabbit	-	24 hours 100	-
				milligrams	
dl-Citronellol	Eyes - Moderate irritant	Rabbit	-	0.42 Percent	-
	Skin - Severe irritant	Guinea pig	-	24 hours 100	-
				milligrams	
	Skin - Moderate irritant	Man	-	48 hours 16	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	4 hours 0.42	-
				Percent	
	Skin - Severe irritant	Rabbit	-	24 hours 100	-
				milligrams	
	Skin - Severe irritant	Rabbit	-	4 hours 0.5	-
				Mililiters	
Citral	Skin - Moderate irritant	Guinea pig	-	48 hours 1	-
				Percent	
	Skin - Severe irritant	Guinea pig	-	24 hours 100	-
				milligrams	
	Skin - Mild irritant	Human	-	24 hours 40	-
				milligrams	
	Skin - Severe irritant	Man	-	48 hours 16	-
				milligrams	
	Skin - Severe irritant	Pig	-	48 hours 50	-
				milligrams	
	Skin - Moderate irritant	Rabbit	_	24 hours 500	-
				milligrams	
	Skin - Severe irritant	Rabbit	_	24 hours 100	-

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 6/12

NΑ

# 11. Toxicological information

				milligrams	
Linalool	Eyes - Moderate irritant	Rabbit	-	1 hours 0.1	-
				Mililiters	
	Eyes - Moderate irritant	Rabbit	-	100	-
				microliters	
	Skin - Moderate irritant	Guinea pig	-	24 hours 100	-
				milligrams	
	Skin - Mild irritant	Human	-	72 hours 32	-
				Percent	
	Skin - Mild irritant	Man	-	48 hours 16	-
				milligrams	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				milligrams	
	Skin - Severe irritant	Rabbit	-	24 hours 100	-
				milligrams	

**Conclusion/Summary** 

Skin : Based on Calculation method:Non Irritant

Eyes : Based on Calculation method:Non Irritant

**Respiratory**: Based on available data, the classification criteria are not met.

**Sensitization** 

Not available.

**Conclusion/Summary** 

Skin : Based on available data, the classification criteria are not met.Respiratory : Based on available data, the classification criteria are not met.

Mutagenicity
Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Carcinogenicity

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Reproductive toxicity

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

<u>Teratogenicity</u>

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 7/12

NΑ

# 11. Toxicological information

Name	Result
dl-Limonene (racemic)	ASPIRATION HAZARD - Category 1

Information on the likely

routes of exposure

: Not available.

Potential acute health effects

**Eye contact** : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards. Skin contact : No known significant effects or critical hazards. : No known significant effects or critical hazards. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data. Inhalation : No specific data. **Skin contact** : No specific data. : No specific data. Ingestion

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

General : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. Mutagenicity No known significant effects or critical hazards. **Teratogenicity** : No known significant effects or critical hazards. **Developmental effects** : No known significant effects or critical hazards. **Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity** 

**Acute toxicity estimates** 

Not available.

8/12 Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 **Date of issue** : 17/05/2017

# 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
dl-Limonene (racemic)	Acute EC50 28.2 mg/l Fresh water Acute EC50 20.2 mg/l Fresh water	Daphnia - Daphnia magna Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 96 hours
	Acute IC50 13.798 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
Linalool	Acute EC50 36.7 ppm Fresh water Acute LC50 28.8 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours

### Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
Linalool	-	62.4 % - Readily - 28 days		-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
Linalool	-		-		Readily	

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
dl-Limonene (racemic)	4.57	-	high
dl-Citronellol	3.41		low
Citral	2.76	89.72	low
Linalool	2.84	-	low

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

### Other adverse effects

: No known significant effects or critical hazards.

## 13. Disposal considerations

### **Disposal methods**

: 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 9/12

## 14. Transport information

Not a DOT controlled material (United States). Not a TDG-controlled material. This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

## 15. Regulatory information

**U.S. Federal regulations** 

: TSCA 8(a) PAIR: 2-(4-tert-butylbenzyl)propionaldehyde; nonanal; octanal; αhexylcinnamaldehyde; decanal; 3,5,5-trimethylhexanal; 2-benzylideneheptanal; phenylacetaldehyde

TSCA 8(a) CDR Exempt/Partial exemption: Not determined Commerce control list precursor: 2,2',2"-nitrilotriethanol

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 311: potassium hydroxide

Clean Air Act Section 112

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

Clean Air Act Section 602

**Class I Substances** 

: Not listed

Clean Air Act Section 602

**Class II Substances** 

: Not listed

**DEA List I Chemicals** (Precursor Chemicals) : Not listed

**DEA List II Chemicals** 

: Not listed

(Essential Chemicals)

### **Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312** 

**SARA 302/304** 

Classification : Not applicable. Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
dl-Limonene (racemic)	0.1 - 1	Yes.	No.	No.	Yes.	No.
alpha-Hexylcinnamaldehyde	0.1 - 1	No.	No.	No.	Yes.	No.
dl-Citronellol	0.1 - 1	No.	No.	No.	Yes.	No.
Citral	0.1 - 1	No.	No.	No.	Yes.	No.
Linalool	0.1 - 1	Yes.	No.	No.	Yes.	No.
2,4-Dimethyl-3-cyclohexen- 1-carboxaldehyde	0.1 - 1	Yes.	No.	No.	Yes.	No.

### State regulations

**Massachusetts** : The following components are listed: CARRAGEENAN (DEGRADED)

**New York** : None of the components are listed. : None of the components are listed. **New Jersey** 

10/12 Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 **Date of issue** : 17/05/2017

# 15. Regulatory information

Pennsylvania : The following components are listed: CARRAGEENAN; PROPANOL, OXYBIS-

<u>Canada</u>

WHMIS (Canada) : Not controlled under WHMIS (Canada).

**Canadian lists** 

Canadian NPRI : None of the components are listed.
 CEPA Toxic substances : None of the components are listed.
 Canada inventory : All components are listed or exempted.

**Label elements** 

Signal word : No signal word.

**Hazard statements**: Prolonged or frequent skin contact may cause an allergic reaction.

**Precautionary measures**: Keep out of the reach of children.

Avoid contact with eyes, skin and clothing.

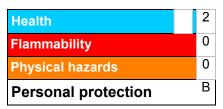
Do not ingest.

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

Air Fresheners do not replace good hygiene practices.

## 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.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 11/12

NA

## 16. Other information

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.

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

Date of issue : 17/05/2017

Date of previous issue : 27/09/16.

Version : 5

Prepared by : Reckitt Benckiser LLC.

Product Safety Department

1 Philips Parkway

Montvale, New Jersey 07646-1810 USA.

FAX: 201-476-7770

**Revision comments**: Addition of Canada Address.

**▼** 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.



RB is a member of the CSPA Product Care Product Stewardship Program.

Code # : FF155991 (D8061247) SDS # : D8061247 v5.0 Date of issue : 17/05/2017 12/12