

# SAFETY DATA SHEET

Air Wick Scented Oil - Hibiscus &amp; Blooming Orchids



HEALTH • HYGIENE • HOME

## 1. Product and company identification

- Product name** : Air Wick Scented Oil - Hibiscus & Blooming Orchids
- 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  
Telephone: +1 905 283 7000
- Emergency telephone number (Medical)** : 1-800-338-6167
- 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) Consumer use

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 #** : D8377255 v2.0
- Formulation #** : 3148935 v1.0

### Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

Air care products Consumer uses

## 2. Hazards identification

- Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 4  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1

### GHS label elements

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## 2. Hazards identification

Hazard pictograms :



Signal word : Warning

Hazard statements : Combustible liquid.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

### Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Wear protective gloves. Wear eye or face protection. Keep away from flames and hot surfaces. - No smoking. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response : IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : None known.

Hazards not otherwise classified : None known.

## 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
Benzyl acetate	5 - 10	140-11-4
Citronellyl acetate	5 - 10	150-84-5
Hexyl acetate	5 - 10	142-92-7
Linalyl acetate	5 - 10	115-95-7
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	5 - 10	28219-61-6
Linalool	5 - 10	78-70-6
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	1 - 5	65113-99-7
dl-Citronellol	1 - 5	106-22-9
p-Methoxybenzaldehyde	1 - 5	123-11-5
Coumarin	1 - 5	91-64-5
Ethyl maltol	1 - 5	4940-11-8
Allyl hexanoate	0.1 - 1	123-68-2
Allyl cyclohexanepropionate	0.1 - 1	2705-87-5
alpha-iso-Methylionone	0.1 - 1	127-51-5
d-Limonene	0.1 - 1	5989-27-5
Citral	0.1 - 1	5392-40-5

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

### 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. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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## 4. First aid measures

See toxicological information (Section 11)

## 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.
  
- Specific hazards arising from the chemical** : Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- 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. 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.
- 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 non-emergency 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

- 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

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## 6. Accidental release measures

same hazard as the spilled product. 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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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 only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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. See Section 10 for incompatible materials before handling or use.

## 8. Exposure controls/personal protection

### Control

#### Occupational exposure limits

<b>Ingredient name</b>	<b>Exposure limits</b>
Benzyl acetate	<b>ACGIH TLV (United States, 3/2018).</b> TWA: 10 ppm 8 hours. TWA: 61 mg/m <sup>3</sup> 8 hours.
d-Limonene	<b>AIHA WEEL (United States, 5/2018).</b> TWA: 30 ppm 8 hours.
Citral	<b>ACGIH TLV (United States, 3/2018).</b> <b>Absorbed through skin. Skin sensitizer.</b> TWA: 5 ppm 8 hours. Form: Inhalable fraction and vapor

**Appropriate engineering controls** : 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.

**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

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## 8. Exposure controls/personal protection

- 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. Contaminated work clothing should not be allowed out of the workplace. 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: chemical splash goggles.
- Skin protection**
- Hand protection** : 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.
- 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.

## 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Colorless to Light Yellow
- Odor** : Food-like, like fruit
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: 75°C (167°F) [ASTM D93 equivalent]
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 0.99 to 1.1
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.

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## 9. Physical and chemical properties

**Decomposition temperature** : Not available.

**Viscosity** : Not available.

### Aerosol product

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

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials

**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
Benzyl acetate	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	2490 mg/kg	-
Citronellyl acetate	LD50 Oral	Rat	6800 mg/kg	-
	LD50 Dermal	Rabbit	>5 g/kg	-
Hexyl acetate	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	13934 mg/kg	-
Linalool	LD50 Dermal	Rabbit	5610 mg/kg	-
	LD50 Dermal	Rat	5610 mg/kg	-
	LD50 Oral	Rat	2790 mg/kg	-
dl-Citronellol	LD50 Dermal	Rabbit	2650 mg/kg	-
	LD50 Oral	Rat	3450 mg/kg	-
p-Methoxybenzaldehyde	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	1510 mg/kg	-
Coumarin	LD50 Oral	Rat	293 mg/kg	-
	LD50 Dermal	Rabbit	>5 g/kg	-
Ethyl maltol	LD50 Oral	Rat	1150 mg/kg	-
	LD50 Dermal	Rabbit	300 mg/kg	-
Allyl hexanoate	LD50 Oral	Rat	218 mg/kg	-
	LD50 Oral	Rat	585 mg/kg	-
Allyl cyclohexanepropionate	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rabbit	>5000 mg/kg	-
alpha-iso-Methylionone	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rabbit	>5000 mg/kg	-
d-Limonene	LD50 Oral	Rat	4400 mg/kg	-
	LD50 Dermal	Rabbit	2250 mg/kg	-
Citral	LD50 Dermal	Rabbit	2250 mg/kg	-
	LD50 Oral	Rat	3.45 g/kg	-

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

#### Irritation/Corrosion

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## 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Benzyl acetate	Skin - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
Citronellyl acetate	Skin - Mild irritant	Human	-	48 hours 20 milligrams	-
Hexyl acetate	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Linalyl acetate	Skin - Moderate irritant	Guinea pig	-	24 hours 100 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 100 milligrams	-
Linalool	Eyes - Moderate irritant	Rabbit	-	1 hours 0.1 Milliliters	-
	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	-
	Skin - Severe irritant	Rabbit	-	0.42 Percent	-
dl-Citronellol	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 Milliliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
p-Methoxybenzaldehyde	Skin - Moderate irritant	Human	-	48 hours 20 milligrams	-
Allyl hexanoate	Skin - Mild irritant	Rabbit	-	24 hours 10 Percent	-
d-Limonene	Skin - Moderate irritant	Guinea pig	-	48 hours 1 Percent	-
Citral	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 milligrams	-



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## 11. Toxicological information

				milligrams	
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### Conclusion/Summary

- Skin** : Based on Calculation Method: Causes skin irritation.
- Eyes** : Based on Calculation Method: Causes serious eye irritation.
- Respiratory** : Based on available data, the classification criteria are not met.

### Sensitization

Not available.

### Conclusion/Summary

- Skin** : Based on Calculation method: May cause an allergic skin reaction.
- 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.

### Classification

Product/ingredient name	OSHA	IARC	NTP
Benzyl acetate	-	3	-
Coumarin	-	3	-
d-Limonene	-	3	-

### Reproductive toxicity

Not available.

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

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Name	Result
d-Limonene	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

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## 11. Toxicological information

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness

**Ingestion** : No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

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

**General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
AIR WICK,PHX CHIFON LE US GIV_3148935_D8377255_NA	N/A	11340.4	N/A	N/A	N/A
Benzyl acetate	2490	N/A	N/A	N/A	N/A
Citronellyl acetate	6800	N/A	N/A	N/A	N/A
Linalyl acetate	13934	N/A	N/A	N/A	N/A
Linalool	2790	5610	N/A	N/A	N/A
dl-Citronellol	3450	2650	N/A	N/A	N/A
p-Methoxybenzaldehyde	2500	N/A	N/A	N/A	N/A
Coumarin	500	N/A	N/A	N/A	N/A
Ethyl maltol	1150	N/A	N/A	N/A	N/A
Allyl hexanoate	218	300	N/A	3	N/A
Allyl cyclohexanepropionate	585	1100	N/A	11	N/A

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**11. Toxicological information**

d-Limonene	4400	N/A	N/A	N/A	N/A
Citral	3450	2250	N/A	N/A	N/A

**12. Ecological information****Toxicity**

Product/ingredient name	Result	Species	Exposure
Hexyl acetate	Acute LC50 4000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Linalool	Acute EC50 36.7 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 28.8 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
Coumarin	Acute LC50 13500 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 56000 µg/l Fresh water	Fish - Poecilia reticulata	96 hours
d-Limonene	Acute EC50 421 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute EC50 688 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours

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

**Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	-	0 % - 28 days	-	-
Linalool	-	62.4 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	-	-	Not readily
Linalool	-	-	Readily

**Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Benzyl acetate	1.96	8	low
Linalyl acetate	3.9	173.9	low
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	4.4	667	high
Linalool	2.84	-	low
dl-Citronellol	3.41	-	low
p-Methoxybenzaldehyde	1.76	-	low
Coumarin	1.39	-	low
Ethyl maltol	0.63	-	low
Allyl hexanoate	-	102.3	low
Allyl cyclohexanepropionate	-	861	high
d-Limonene	4.38	-	high
Citral	2.76	89.72	low

**Mobility in soil**

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## 12. Ecological information

**Soil/water partition coefficient (K<sub>oc</sub>)** : 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-
<b>Packing group</b>	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.

### Additional information

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

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## 15. Regulatory information

- U.S. Federal regulations** :
- Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not 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 (Essential Chemicals)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : FLAMMABLE LIQUIDS - Category 4  
 SKIN IRRITATION - Category 2  
 EYE IRRITATION - Category 2A  
 SKIN SENSITIZATION - Category 1

**Composition/information on ingredients**

Name	%	Classification
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	30 - 60	FLAMMABLE LIQUIDS - Category 4
2-tert-Butylcyclohexyl acetate	5 - 10	FLAMMABLE LIQUIDS - Category 4
Benzyl acetate	5 - 10	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
Citronellyl acetate	5 - 10	SKIN IRRITATION - Category 2
Hexyl acetate	5 - 10	FLAMMABLE LIQUIDS - Category 3 EYE IRRITATION - Category 2B
Linalyl acetate	5 - 10	FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2B SKIN SENSITIZATION - Category 1B
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	5 - 10	EYE IRRITATION - Category 2A
Linalool	5 - 10	FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	1 - 5	EYE IRRITATION - Category 2A
dl-Citronellol	1 - 5	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
p-Methoxybenzaldehyde	1 - 5	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
Coumarin	1 - 5	ACUTE TOXICITY (oral) - Category 4 SKIN SENSITIZATION - Category 1B

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## 15. Regulatory information

Ethyl maltol	1 - 5	ACUTE TOXICITY (oral) - Category 4
Allyl hexanoate	0.1 - 1	FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3
Allyl cyclohexanepropionate	0.1 - 1	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN SENSITIZATION - Category 1
alpha-iso-Methylionone	0.1 - 1	SKIN SENSITIZATION - Category 1B
d-Limonene	0.1 - 1	FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1B ASPIRATION HAZARD - Category 1
Citral	0.1 - 1	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B

### State regulations

- Massachusetts** : None of the components are listed.
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: BENZYL ACETATE; ACETIC ACID, PHENYLMETHYL ESTER
- Pennsylvania** : None of the components are listed.
- California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

### Label elements

#### CPSC

- Signal word** : CAUTION
- Hazard statements** : EYE IRRITANT
- Precautionary measures** : KEEP OUT OF REACH OF CHILDREN AND PETS. Skin contact may cause an allergic reaction. Avoid contact with eyes and skin. DO NOT ingest.

#### CCCR

- Signal word** : CAUTION
- Hazard statements** : IRRITANT  
MAY IRRITATE EYES
- Precautionary measures** : Skin contact may cause an allergic reaction. Avoid contact with eyes and skin. DO NOT ingest.  
KEEP OUT OF REACH OF CHILDREN AND PETS

### Additional information / Recommendations

- Additional information** : Contains fragrance oils. If in eyes, rinse eyes with water. Remove any contact lenses and continue to rinse eyes for at least 15 minutes. Wash hands after handling. If reaction develops, discontinue use immediately and get medical attention. If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Center immediately. DO NOT use in small, confined pet areas or other areas without adequate ventilation.
- Recommendations** : People suffering from perfume sensitivity should be cautious when using this product. Air fresheners aerosol (aqueous, non aqueous, concentrated (mini-aerosol)) for consumer use

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## 16. Other information

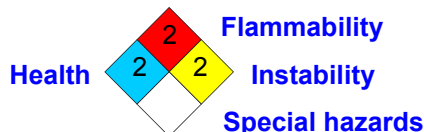
### Hazardous Material Information System (U.S.A.)

Health	/	2
Flammability		2
Physical hazards		0

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 and the associated label are not required on SDSs or products leaving a facility 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 trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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



NFPA (30B) aerosol Flammability Not applicable

#### 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

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▣ 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.

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## 16. Other information



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