

SAFETY DATA SHEET

Air Wick Scented Oil - Forest Spice & Leaves



HEALTH • HYGIENE • HOME

1. Product and company identification

Product name : Air Wick Scented Oil - Forest Spice & Leaves

Distributed by : Reckitt Benckiser LLC.
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Reckitt Benckiser (Canada) Inc.
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 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

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 # : D8391341 v1.0

Formulation # : FF #3218499

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

Identified uses
Consumer uses

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2. Hazards identification

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

GHS label elements

Hazard pictograms :



Signal word : Warning

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

Precautionary statements

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

Prevention : Wear protective gloves, protective clothing and eye or face protection. Keep away from flames and hot surfaces. No smoking.

Response : IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or 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 advice or 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
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	30 - 60	100-79-8
Pyridine	1 - 5	110-98-5
4-Hydroxybutanoic acid lactone	1 - 5	97-53-0
Succinic acid	1 - 5	110-27-0
Cedrol	1 - 5	77-83-8
3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl isobutyrate	1 - 5	68039-49-6
3-Phenylpropionaldehyde	0.1 - 1	104-55-2
p-Methyltetrahydroquinoline	0.1 - 1	91-64-5
Isophorone	0.1 - 1	78-70-6
alpha-Terpineol acetate	0.1 - 1	80-56-8
2,2-Dimethyl-3-phenylpropanol	0.1 - 1	13466-78-9
Ocimenol	< 0.1	5989-27-5

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3. Composition/information on ingredients

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** : 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

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4. First aid measures

- 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.

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO₂, 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

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6. Accidental release measures

- 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.

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

Ingredient name	Exposure limits
alpha-Terpineol acetate	ACGIH TLV (United States, 3/2018). Skin sensitizer. TWA: 20 ppm 8 hours.
2,2-Dimethyl-3-phenylpropanol	ACGIH TLV (United States, 3/2018). Skin sensitizer. TWA: 20 ppm 8 hours.
Ocimenol	AIHA WEEL (United States, 7/2018). TWA: 30 ppm 8 hours.

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8. Exposure controls/personal protection

- 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**
- 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** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: 76°C (168.8°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.

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9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
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
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	LD50 Oral	Rat	7 g/kg	-
Pyridine	LD50 Oral	Rat	14800 mg/kg	-
4-Hydroxybutanoic acid lactone	LD50 Oral	Rat	1930 mg/kg	-
Succinic acid	LD50 Dermal	Rabbit	5 g/kg	-
Cedrol	LD50 Oral	Rat	5470 mg/kg	-
3-Phenylpropionaldehyde	LD50 Dermal	Rabbit	620 mg/kg	-
	LD50 Oral	Rat	1850 mg/kg	-
p-Methyltetrahydroquinoline	LD50 Oral	Rat	293 mg/kg	-
Isophorone	LD50 Dermal	Rabbit	5610 mg/kg	-
	LD50 Dermal	Rat	5610 mg/kg	-
	LD50 Oral	Rat	2790 mg/kg	-
alpha-Terpineol acetate	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3700 mg/kg	-
2,2-Dimethyl-3-phenylpropanol	LD50 Oral	Rat	4800 mg/kg	-
Ocimenol	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	4400 mg/kg	-

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11. Toxicological information

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

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Pyridine	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 UI	-
4-Hydroxybutanoic acid lactone	Skin - Mild irritant	Human	-	48 hours 40 mg	-
	Skin - Moderate irritant	Guinea pig	-	24 hours 100 mg	-
	Skin - Moderate irritant	Man	-	48 hours 16 mg	-
	Skin - Mild irritant	Pig	-	48 hours 50 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 100 mg	-
Succinic acid	Skin - Moderate irritant	Guinea pig	-	24 hours 100 mg	-
	Skin - Mild irritant	Human	-	72 hours 85 mg l	-
	Skin - Mild irritant	Rat	-	24 hours 100 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 426 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 100 mg	-
3-Phenylpropionaldehyde	Skin - Severe irritant	Human	-	48 hours 40 mg	-
Isophorone	Eyes - Moderate irritant	Rabbit	-	1 hours 0.1 MI	-
	Eyes - Moderate irritant	Rabbit	-	100 UI	-
	Skin - Moderate irritant	Guinea pig	-	24 hours 100 mg	-
	Skin - Mild irritant	Human	-	72 hours 32 %	-
	Skin - Mild irritant	Man	-	48 hours 16 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
alpha-Terpineol acetate	Skin - Severe irritant	Man	-	100 Percent	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Ocimenol	Skin - Mild irritant	Rabbit	-	24 hours 10 %	-

Conclusion/Summary

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

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

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11. Toxicological information

Skin : Based on Calculation Method: May produce an allergic 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
4-Hydroxybutanoic acid lactone	-	3	-
p-Methyltetrahydroquinoline	-	3	-
Ocimenol	-	3	-

Reproductive toxicity

Not available.

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

Teratogenicity

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

Name	Result
alpha-Terpineol acetate	ASPIRATION HAZARD - Category 1
2,2-Dimethyl-3-phenylpropanol	ASPIRATION HAZARD - Category 1
Ocimenol	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 : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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11. Toxicological information

- 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)
Airwick Liquid Electrical – Scented Oil Diffuser_FF3218499 (D8391341) EU	51525.6	130866.7	N/A	N/A	N/A
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	7000	N/A	N/A	N/A	N/A
Pyridine	14800	N/A	N/A	N/A	N/A
4-Hydroxybutanoic acid lactone	2500	N/A	N/A	N/A	N/A
Succinic acid	N/A	5000	N/A	N/A	N/A
Cedrol	5470	N/A	N/A	N/A	N/A
3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl isobutyrate	2500	N/A	N/A	N/A	N/A
3-Phenylpropionaldehyde	2200	1100	N/A	N/A	N/A
p-Methyltetrahydroquinoline	500	N/A	N/A	N/A	N/A
Isophorone	2790	5610	N/A	N/A	N/A
alpha-Terpineol acetate	500	N/A	N/A	N/A	N/A
2,2-Dimethyl-3-phenylpropanol	4800	N/A	N/A	N/A	1.5
Ocimenol	4400	N/A	N/A	N/A	N/A

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11. Toxicological information**12. Ecological information****Toxicity**

Product/ingredient name	Result	Species	Exposure
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	Acute LC50 16.7 g/L Fresh water	Fish - Pimephales promelas	96 hours
4-Hydroxybutanoic acid lactone	Acute LC50 24000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
3-Phenylpropionaldehyde	Acute EC50 7.05 ppm Fresh water Acute LC50 1.67 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 96 hours
p-Methyltetrahydroquinoline	Acute LC50 13500 µg/l Fresh water Acute LC50 56000 µg/l Fresh water	Daphnia - Daphnia magna Fish - Poecilia reticulata	48 hours 96 hours
Isophorone	Acute EC50 36.7 ppm Fresh water Acute LC50 28.8 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours
alpha-Terpineol acetate	Acute LC50 41000 µg/l Fresh water Acute LC50 5.28 mg/l Fresh water	Daphnia - Daphnia magna Fish - Lepomis macrochirus	48 hours 96 hours
Ocimenol	Chronic NOEC 8800 µg/l Fresh water Acute EC50 421 µg/l Fresh water Acute EC50 688 µg/l Fresh water	Daphnia - Daphnia magna Daphnia - Daphnia magna Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 48 hours 96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
4-Hydroxybutanoic acid lactone	-	50 % - Readily - 7 days	-	-
Isophorone	-	62.4 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
4-Hydroxybutanoic acid lactone	-	-	Readily
Isophorone	-	-	Readily
2,2-Dimethyl-3-phenylpropanol	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Pyridine	-1.5 to -0.7	4.57	low
4-Hydroxybutanoic acid lactone	2.27	-	low
Succinic acid	7.71	-	high
3-Phenylpropionaldehyde	1.83	8	low
p-Methyltetrahydroquinoline	1.39	-	low
Isophorone	2.84	-	low
alpha-Terpineol acetate	4.487	-	high
2,2-Dimethyl-	4.38	-	high

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12. Ecological information

3-phenylpropanol Ocimenol	4.38	-	high
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Mobility in soil

Soil/water partition coefficient (K_{oc}) : 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
UN number	NA1993	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	Combustible liquid, n.o.s. (2,2-dimethyl-1,3-dioxolan-4-ylmethanol, 2-tert-butylcyclohexyl acetate)	-	-	-
Transport hazard class(es)	Combustible liquid.	-	-	-
Packing group	III	-	-	-
Environmental hazards	No.	No.	No.	No.

Additional information

DOT Classification : Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.

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.

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14. Transport information

Transport in bulk according to IMO instruments : Not available.

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
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 EYE IRRITATION - Category 2A
Diethyl tartrate	1 - 5	FLAMMABLE LIQUIDS - Category 4
Pyridine	1 - 5	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2B
4-Hydroxybutanoic acid lactone	1 - 5	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
Succinic acid	1 - 5	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
Cedrol	1 - 5	SKIN SENSITIZATION - Category 1B
3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl isobutyrate	1 - 5	FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
3-Phenylpropionaldehyde	0.1 - 1	ACUTE TOXICITY (dermal) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1A
p-Methyltetrahydroquinoline	0.1 - 1	ACUTE TOXICITY (oral) - Category 4 SKIN SENSITIZATION - Category 1B
Isophorone	0.1 - 1	FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2

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15. Regulatory information

alpha-Terpineol acetate	0.1 - 1	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2
2,2-Dimethyl-3-phenylpropanol	0.1 - 1	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2
Ocimenol	<0.1	SKIN SENSITIZATION - Category 1 ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1B ASPIRATION HAZARD - Category 1

State regulations

- Massachusetts** : None of the components are listed.
- New York** : None of the components are listed.
- New Jersey** : None of the components are listed.
- 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: May cause an allergic skin reaction.
- Precautionary measures** : Keep out of reach of children. Do not ingest. Avoid contact with eyes. Avoid contact with skin and clothing.

CCCR

- Signal word** : CAUTION
- Hazard statements** : Eye Irritant: May cause an allergic skin reaction.
- Precautionary measures** : Keep out of reach of children. Do not ingest. Avoid contact with eyes, skin and clothing.

Additional information / Recommendations

- Additional information** : No known significant effects or critical hazards.
- Recommendations** : No known significant effects or critical hazards.

16. Other information

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

Health	/	2
Flammability		2
Physical hazards		0

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16. Other information

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

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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.

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](#)

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16. Other information

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.