

SAFETY DATA SHEET



Air Wick Scented Oil - Lavender & Waterlily

1. Product and company identification

- Product name** : Air Wick Scented Oil - Lavender & Waterlily
- 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

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 #** : D8397733
- Formulation #** : FF3233952

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

Identified uses

Not available.

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

Prevention : Not applicable.

Response : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice or attention.
If eye irritation persists: Get medical advice/attention.

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 |
|--------------------------------------------------------------------------|---------|------------|
| 2,2-dimethyl-1,3-dioxolan-4-ylmethanol | 30 - 60 | 100-79-8 |
| Tetrahydrolinalool | 5 - 10 | 78-69-3 |
| Dihydromyrcenol | 5 - 10 | 18479-58-8 |
| Phenethyl alcohol | 1 - 5 | 60-12-8 |
| d-Limonene | 1 - 5 | 5989-27-5 |
| Linalyl acetate | 1 - 5 | 115-95-7 |
| alpha,alpha-Dimethyl-p-ethylphenylpropanal | 1 - 5 | 67634-15-5 |
| Linalool | 0.1 - 1 | 78-70-6 |
| Citral | 0.1 - 1 | 5392-40-5 |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | 0.1 - 1 | 54464-57-2 |
| 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde | 0.1 - 1 | 68039-49-6 |
| Coumarin | 0.1 - 1 | 91-64-5 |

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

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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. 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, 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

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.

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6. Accidental release measures

- 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 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| d-Limonene | OARS WEEL (United States, 7/2018). TWA: 30 ppm 8 hours. |
| Citral | ACGIH TLV (United States, 3/2019). Absorbed through skin. Skin sensitizer. 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.

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8. Exposure controls/personal protection

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.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

| | |
|----------------------------------------------------------------|------------------------------|
| Physical state | : Liquid. |
| Color | : Colorless to light yellow. |
| Odor | : Lavender |
| Odor threshold | : Not available. |
| pH | : Not available. |
| Melting point/freezing point | : Not available. |
| Boiling point, initial boiling point, and boiling range | : Not available. |
| Flash point | : Closed cup: 76°C (168.8°F) |
| Evaporation rate | : Not available. |
| Flammability | : Not available. |

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Section 9. Physical and chemical properties and safety characteristics

| | |
|-----------------------------------------------------------|-------------------|
| Lower and upper explosion limit/flammability limit | : Not available. |
| Vapor pressure | : Not available. |
| Relative vapor density | : Not available. |
| Relative density | : Not available. |
| Solubility | : Not available. |
| Solubility in water | : Not available. |
| Partition coefficient: n-octanol/water | : Not applicable. |
| Auto-ignition temperature | : Not available. |
| Decomposition temperature | : Not available. |
| Viscosity | : Not available. |
| Flow time (ISO 2431) | : Not available. |

Particle characteristics

| | |
|-----------------------------|-------------------|
| Median particle size | : Not applicable. |
|-----------------------------|-------------------|

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 | - |
| Tetrahydrolinalool | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| Dihydromyrcenol | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | 3600 mg/kg | - |
| Phenethyl alcohol | LD50 Dermal | Rabbit - Male, Female | 2535 mg/kg | - |
| | LD50 Oral | Rat - Male, Female | 1603 mg/kg | - |
| d-Limonene | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | 4400 mg/kg | - |
| Linalyl acetate | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | 13934 mg/kg | - |
| alpha,alpha-Dimethyl-p- | LD50 Dermal | Rabbit | >5 g/kg | - |

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11. Toxicological information

| | | | | |
|---------------------------------|-------------|--------|------------|---|
| ethylphenylpropanal Linalool | LD50 Dermal | Rabbit | 5610 mg/kg | - |
| | LD50 Dermal | Rat | 5610 mg/kg | - |
| Citral | LD50 Oral | Rat | 2790 mg/kg | - |
| | 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

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|--------------------------|------------|-------|-----------------|-------------|
| Tetrahydrolinalool | Eyes - Moderate irritant | Rabbit | - | 0.1 MI | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |
| Dihydromyrcenol | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Eyes - Mild irritant | Rabbit | - | 7.5 % | - |
| Phenethyl alcohol | Skin - Mild irritant | Rabbit | - | 4 hours 0.5 MI | - |
| | Eyes - Mild irritant | Rabbit | - | 10 minutes | - |
| | Eyes - Severe irritant | Rabbit | - | 12 gm | - |
| d-Limonene | Skin - Moderate irritant | Rabbit | - | 24 hours 750 ug | - |
| | Skin - Mild irritant | Guinea pig | - | 100 % | - |
| | Skin - Moderate irritant | Guinea pig | - | 24 hours 100 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 100 mg | - |
| d-Limonene | Skin - Mild irritant | Rabbit | - | 24 hours 10 % | - |
| Linalyl acetate | Skin - Moderate irritant | Guinea pig | - | 24 hours 100 mg | - |
| | Skin - Severe irritant | Rabbit | - | 24 hours 100 mg | - |
| Linalool | 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 | - |
| Citral | Skin - Severe irritant | Rabbit | - | 24 hours 100 mg | - |
| | Skin - Moderate irritant | Guinea pig | - | 48 hours 1 % | - |
| | Skin - Severe irritant | Guinea pig | - | 24 hours 100 mg | - |
| | Skin - Mild irritant | Human | - | 24 hours 40 mg | - |
| | Skin - Severe irritant | Man | - | 48 hours 16 mg | - |
| | Skin - Severe irritant | Pig | - | 48 hours 50 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 500 mg | - |

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11. Toxicological information

| | | | | | |
|--|------------------------|--------|---|-----------------|---|
| | Skin - Severe irritant | Rabbit | - | 24 hours 100 mg | - |
|--|------------------------|--------|---|-----------------|---|

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 |
|-------------------------|------|------|-----|
| d-Limonene | - | 3 | - |
| Coumarin | - | 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 |
|------------|--------------------------------|
| 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.

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11. Toxicological information

- 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.

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 Liquid Electrical FF3233952_D8397733 (NA) | 20340.7 | 83967.7 | N/A | N/A | N/A |
| 2,2-dimethyl-1,3-dioxolan-4-ylmethanol | 7000 | N/A | N/A | N/A | N/A |
| Dihydromyrcenol | 3600 | N/A | N/A | N/A | N/A |
| Phenethyl alcohol | 1603 | 2535 | N/A | N/A | N/A |
| d-Limonene | 4400 | 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 |
| Citral | 3450 | 2250 | N/A | N/A | N/A |
| 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde | 2500 | N/A | N/A | N/A | N/A |

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11. Toxicological information

| | | | | | |
|----------|-----|-----|-----|-----|-----|
| Coumarin | 500 | N/A | N/A | N/A | N/A |
|----------|-----|-----|-----|-----|-----|

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 |
| Phenethyl alcohol | LC50 215 mg/l | Fish | 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 |
| 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 |

Conclusion/Summary : Based on Calculation Method: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|-------------------------|------|----------------------------|------|----------|
| Linalool | - | 62.4 % - Readily - 28 days | - | - |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Linalool | - | - | Readily |

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-------|-----------|
| Tetrahydrolinalool | 3.3 | 99.87 | low |
| Dihydromyrcenol | 3.25 | - | low |
| Phenethyl alcohol | 1.36 | - | low |
| d-Limonene | 4.38 | - | high |
| Linalyl acetate | 3.9 | 173.9 | low |
| Linalool | 2.84 | - | low |
| Citral | 2.76 | 89.72 | low |
| Coumarin | 1.39 | - | low |

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

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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 | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - | - |
| Transport hazard class(es) | - | - | - | - |
| Packing group | - | - | - | - |
| Environmental hazards | 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.

15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b):** All components are active or exempted.

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

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15. Regulatory information

DEA List I Chemicals : Not listed
(Precursor Chemicals)

DEA List II Chemicals : Not listed
(Essential Chemicals)

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 EYE IRRITATION - Category 2A |
| Tetrahydrolinalool | 5 - 10 | FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A |
| Dihydromyrcenol | 5 - 10 | SKIN SENSITIZATION - Category 1B FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A |
| Phenethyl alcohol | 1 - 5 | ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2A |
| d-Limonene | 1 - 5 | FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1B |
| Linalyl acetate | 1 - 5 | ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2B SKIN SENSITIZATION - Category 1B |
| alpha,alpha-Dimethyl-p-ethylphenylpropanal | 0.1 - 1 | SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1B |
| Linalool | 0.1 - 1 | FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B |
| Citral | 0.1 - 1 | SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | 0.1 - 1 | SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1B |
| 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde | 0.1 - 1 | FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B |
| Coumarin | 0.1 - 1 | ACUTE TOXICITY (oral) - Category 4 SKIN SENSITIZATION - Category 1B |

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15. Regulatory information

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** : The following components are listed: PROPANOL, OXYBIS-
- California Prop. 65**

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

Label elements

CPSC

- Signal word** : CAUTION
- Hazard statements** : Causes eye irritation. May produce an allergic reaction.
- Precautionary measures** : Avoid contact with skin and eyes. Do not ingest. Keep out of reach of children and pets.

CCCR

- Signal word** : CAUTION
- Hazard statements** : Causes eye irritation.
May produce an allergic reaction.
- Precautionary measures** : Avoid contact with skin and eyes. Do not ingest.
Keep out of reach of children and pets.

Additional information / Recommendations

- Additional information** : FIRST AID TREATMENT: Contains fragrance oils. If in eyes, rinse with water. Remove contact lenses, continue to rinse eyes for at least 15 minutes. Wash hands after handling. If reaction develops, discontinue use, get medical attention. If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Center Immediately. DO NOT use in small or confined pet areas without adequate ventilation.
- Recommendations** : 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 |
| | | |

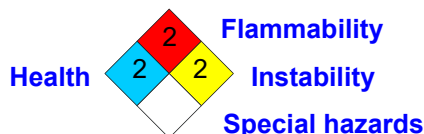
Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose 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.)

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16. Other information



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

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.