

Flight Fresh Deodorant Disc (Green Apple)

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) and the Hazardous Products Regulations (HPR) as amended

Issue date: 2024-09-25
Revision date: 2024-09-25
Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Flight Fresh Deodorant Disc
Product code (Green Apple) : Formula: LB269/3
Part No: SD-5500G

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Air freshener
Deodorizer.

1.3. Supplier

Manufacturer

Celeste Industries Corporation
8007 Industrial Park Road
Easton, Maryland 21601 USA
T 1-410-822-5775

info@celestecorp.com - www.celestecorp.com

Distributor

ITW Permatex Canada
2360 Bristol Circle, Ste 101
Oakville, ON L6H 6M5 - Canada
T 1-800-241-8334

1.4. Emergency telephone number

Emergency number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300; Outside USA and Canada (collect call accepted): 1-703-527-3883

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Skin Irrit. 2
Eye Irrit. 2A
Skin Sens. 1

2.2. GHS Label elements, including precautionary statements

GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) :

Warning

Hazard statements (GHS) :

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Precautionary statements (GHS) :

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands, forearms and face thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Wash contaminated clothing before reuse.

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If skin irritation or rash occurs: Get medical advice/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/attention.

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

NOT APPLICABLE

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Benzyl salicylate	Benzyl salicylate Benzoic acid, 2-hydroxy-, phenylmethyl ester Benzyl o-hydroxybenzoate Salicylate, benzyl Salicylic acid, benzyl ester BENZYL SALICYLATE Benzyl 2-hydroxybenzoate	CAS-No.: 118-58-1	5 – 10
7-Octen-2-ol, 2,6-dimethyl-	7-Octen-2-ol, 2,6-dimethyl- 2,6-Dimethyl-7-octen-2-ol 2,6-Dimethyloct-7-en-2-ol Oct-7-en-2-ol, 2,6-dimethyl- 2,6-DIMETHYL-7-OCTEN-2-OL Dihydromyrcenol	CAS-No.: 18479-58-8	5 – 10
Phenethyl alcohol	Phenethyl alcohol .beta.-Phenylethyl alcohol phenylethyl alcohol .beta.-Phenylethylalcohol 2-Phenyl-1-ethanol PHENETHYL ALCOHOL 2-Phenylethan-1-ol Phenylethyl alcohol 2-Phenylethyl alcohol 2-Phenylethanol 2-Phenethyl alcohol Phenethanol Methanol, benzyl- Ethanol, 2-phenyl- Benzyl carbinol Benzeneethanol	CAS-No.: 60-12-8	5 – 10

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Name	Chemical name / Synonyms	Product identifier	%
4-tert-Butylcyclohexyl acetate	4-tert-Butylcyclohexyl acetate Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate Acetic acid, (4-tert-butylcyclohexyl) ester Cyclohexanol, 4-tert-butyl-, acetate Cyclohexanol, 4-(1,1-dimethylethyl)-, 1-acetate Acetate, 4-tert-butylcyclohexyl p-tert-Butylcyclohexyl acetate 4-(1,1-Dimethylethyl)cyclohexanol acetate 4-TERT-BUTYLCYCLOHEXYL ACETATE 4-tert-butylcyclohexyl acetate 4-tert-Butylcyclohexan-1-yl acetate	CAS-No.: 32210-23-4	2 – 5
Heptanal, 2-(phenylmethylene)-	Heptanal, 2-(phenylmethylene)- Amylcinnamaldehyde .alpha.-Amylcinnamaldehyde 2-Benzylideneheptanal Cinnamaldehyde, .alpha.-pentyl- Heptanal, 2-benzylidene- Jasminaldehyde Pentylcinnamaldehyde .alpha.-Pentylcinnamaldehyde .alpha.-Amylcinnamic aldehyde Amyl cinnamal AMYL CINNAMAL Amylcinnamic aldehyde	CAS-No.: 122-40-7	2 – 5
D-Limonene	D-Limonene Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- (R)-p-Mentha-1,8-diene p-Mentha-1,8-diene, (R)-(+)- Limonene, D- Menthadiene, 1,8(9)-p- d-Limonene Limonene, d- (4R)-1-Methyl-4-(1-methylethenyl)cyclohexene (4R)-p-Mentha-1,8-diene 1-Methyl-4-prop-1-en-2-yl-cyclohexene (R)-1-Methyl-4-(1-methylethenyl)cyclohexene d-LIMONENE (R)-1-Methyl-4-(1-methylethenyl)cyclohex-1-ene (R)-4-Isopropenyl-1-methylcyclohex-1-ene Limonene Limonene, (+)-	CAS-No.: 5989-27-5	1 – 2
Benzyl acetate	Benzyl acetate Acetic acid, benzyl ester Acetic acid, phenylmethyl ester Benzyl ethanoate Phenylmethyl acetate BENZYL ACETATE	CAS-No.: 140-11-4	1 – 2

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Name	Chemical name / Synonyms	Product identifier	%
7-Hydroxycitronellal	7-Hydroxycitronellal 7-Hydroxy-3,7-dimethyloctanal Hydroxycitronellal dimethylacetal HYDROXYCITRONELLAL 1-Octanal, 3,7-dimethyl-7-hydroxy- Lilyl aldehyde Laurine 7-Hydroxycitronellal Hydroxycitronellal 7-Hydroxy-3,7-dimethyloctan-1-al 3,7-Dimethyl-7-hydroxyoctanal Citronellal, hydroxy- Citronellal hydrate	CAS-No.: 107-75-5	1 – 2
3-Octanol, 3,7-dimethyl-	3-Octanol, 3,7-dimethyl- 3,7-Dimethyloctan-3-ol 3,7-Dimethyloctanol-3 Octan-3-ol, 3,7-dimethyl- Tetrahydrolinalool 3,7-Dimethyloctan-3-ol 2,6-Dimethyl-6-octanol 3,7-Dimethyl-3-octanol TETRAHYDROLINALOOL tetrahydrolinalool	CAS-No.: 78-69-3	0.1 – 1
Geraniol (Fragrance)	Geraniol Geraniol alcohol Geranyl alcohol Guanol Lemonol 2,6-Octadien-1-ol, 3,7-dimethyl-, (2E)- 2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- 2,6-Octadien-1-ol, 3,7-dimethyl-, trans- GERANIOL (2E)-3,7-Dimethyl-2,6-octadienol (2E)-3,7-Dimethylocta-2,6-dien-1-ol 3,7-Dimethyl-2,6-octadien-1-ol, (E)- (E)-3,7-Dimethylocta-2,6-dien-1-ol	CAS-No.: 106-24-1	0.1 – 1
Cyclododecane, (ethoxymethoxy)-	Cyclododecane, (ethoxymethoxy)- (Ethoxymethoxy)cyclododecane Ethoxymethoxycyclododecane Formaldehyde cyclododecyl ethyl acetal Ethoxymethoxy cyclododecane (ethoxymethoxy)cyclododecane FORMALDEHYDE CYCLODECYL ETHYL ACETAL	CAS-No.: 58567-11-6	0.1 – 1
2-Propen-1-ol, 3-phenyl-	2-Propen-1-ol, 3-phenyl- Cinnamyl alcohol Cinnamic alcohol 3-Phenylallyl alcohol Prop-2-en-1-ol, 3-phenyl- CINNAMYL ALCOHOL 3-Phenyl-prop-2-en-1-ol 3-Phenyl-2-propen-1-ol 3-Phenylprop-2-en-1-ol	CAS-No.: 104-54-1	0.1 – 1

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Name	Chemical name / Synonyms	Product identifier	%
3-Cyclohexene-1-carboxaldehyde, dimethyl-	3-Cyclohexene-1-carboxaldehyde, dimethyl- Cyclohex-3-ene-1-carboxaldehyde, dimethyl- 3-Cyclohexene-1-carboxaldehyde, 2,4(or 3,5)-dimethyl- Dimethyl tetrahydrobenzaldehyde Dimethylcyclohex-3-ene-1-carbaldehyde Dimethylcyclohex-3-ene-1-carboxaldehyde Dimethylcyclohex-3-ene-1-carbaldehyde (isomer mixture) Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers) 2,4(or 3,5)-Dimethyl-3-cyclohexene-1-carboxaldehyde DIMETHYLTETRAHYDRO BENZALDEHYDE (2,4)- and (3,5)- and (3,6)-Dimethyl-3-cyclohexenylcarbaldehyde 2,4(or 3,5)-Dimethyl-3-cyclohexene-1-carboxaldehyde	CAS-No.: 68737-61-1	0.1 – 1
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- 2-cis-3,7-Dimethyl-2,6-octadien-1-ol Nerol 2,6-Octadien-1-ol, 3,7-dimethyl-, (2Z)- (2Z)-3,7-Dimethyl-2,6-octadienol (Z)-Nerol (2Z)-3,7-Dimethylocta-2,6-dien-1-ol 3,7-Dimethyl-2,6-octadien-1-ol, (Z)- NEROL	CAS-No.: 106-25-2	0.1 – 1
Allyl 3-cyclohexylpropionate	Allyl 3-cyclohexylpropionate Cyclohexanepropionic acid, allyl ester Allyl 3-cyclohexylpropanoate allyl cyclohexanepropionate ALLYL CYCLOHEXYLPROPIONATE Allyl cyclohexylpropionete 2-Propenyl cyclohexanepropionate Cyclohexanepropanoic acid, 2-propen-1-yl ester Allyl cyclohexylpropionate Propionate, 3-cyclohexyl-, allyl Allyl cyclohexanepropionate Allyl 3-cyclohexylpropionate	CAS-No.: 2705-87-5	0.1 – 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: 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/attention.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO ₂). Dry chemical powder.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapours.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Contain spill, then place in a suitable container. Minimise dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Avoid breathing fume/gas/vapours. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Good housekeeping is important to prevent accumulation of dust. Ensure adequate ventilation.
Hygiene measures	: Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Flight Fresh Deodorant Disc (Green Apple)	
No additional information available	
Benzyl salicylate (118-58-1)	
No additional information available	
7-Octen-2-ol, 2,6-dimethyl- (18479-58-8)	
No additional information available	
Phenethyl alcohol (60-12-8)	
No additional information available	
4-tert-Butylcyclohexyl acetate (32210-23-4)	
No additional information available	
Heptanal, 2-(phenylmethylene)- (122-40-7)	
No additional information available	
D-Limonene (5989-27-5)	
USA - AIHA - Occupational Exposure Limits	
WEEL TWA	30 ppm
Benzyl acetate (140-11-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
7-Hydroxycitronellal (107-75-5)	
No additional information available	
3-Octanol, 3,7-dimethyl- (78-69-3)	
No additional information available	

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Geraniol (106-24-1)

No additional information available

Cyclododecane, (ethoxymethoxy)- (58567-11-6)

No additional information available

2-Propen-1-ol, 3-phenyl- (104-54-1)

No additional information available

3-Cyclohexene-1-carboxaldehyde, dimethyl- (68737-61-1)

No additional information available

2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)

No additional information available

Allyl 3-cyclohexylpropionate (2705-87-5)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

None necessary under normal conditions of use. Wear suitable gloves resistant to chemical penetration if handling large quantities

Eye protection:

None necessary under normal conditions of use. Wear gloves if handling large quantities.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Absorbant disc.

Colour : Opaque

Odour : Green Apple

Odour threshold : No data available

pH : No data available

Melting point : No data available

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability	: Not flammable.
Vapour pressure	: No data available
Relative vapour density at 20°C / 68 °F	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidizing.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Irritating vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

Benzyl salicylate (118-58-1)

LD50 oral rat	2227 mg/kg (Source: NLM_CIP)
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Benzyl salicylate (118-58-1)	
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
ATE CA (oral)	2227 mg/kg bodyweight
7-Octen-2-ol, 2,6-dimethyl- (18479-58-8)	
LD50 oral rat	3600 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)
ATE CA (oral)	3600 mg/kg bodyweight
Phenethyl alcohol (60-12-8)	
LD50 oral rat	1609 mg/kg (Source: EPA_HP V)
LD50 dermal rabbit	2535 mg/kg (Source: EPA_HP V)
LC50 inhalation rat	> 4.63 mg/l/4h
ATE CA (oral)	1609 mg/kg bodyweight
ATE CA (Dermal)	2535 mg/kg bodyweight
4-tert-Butylcyclohexyl acetate (32210-23-4)	
LD50 oral rat	5 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)
ATE CA (oral)	5000 mg/kg bodyweight
Heptanal, 2-(phenylmethylene)- (122-40-7)	
LD50 oral rat	3730 mg/kg (Source: CHEMVIEW)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LD50 dermal rabbit	> 2000 mg/kg (Source: CHEMVIEW)
ATE CA (oral)	3730 mg/kg bodyweight
D-Limonene (5989-27-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)
Benzyl acetate (140-11-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit
7-Hydroxycitronellal (107-75-5)	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
3-Octanol, 3,7-dimethyl- (78-69-3)	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)

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Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg bodyweight Animal: rat, 95% CL: 2840 - 4570
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit
ATE CA (oral)	3600 mg/kg bodyweight
Cyclododecane, (ethoxymethoxy)- (58567-11-6)	
LD50 oral rat	> 5 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)
2-Propen-1-ol, 3-phenyl- (104-54-1)	
LD50 oral rat	2 g/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)
ATE CA (oral)	2000 mg/kg bodyweight
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)	
LD50 oral rat	4500 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)
ATE CA (oral)	4500 mg/kg bodyweight
Allyl 3-cyclohexylpropionate (2705-87-5)	
LD50 oral rat	585 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 480 - 714
LD50 dermal rabbit	1600 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 430 - 2770
ATE CA (oral)	380 mg/kg bodyweight
ATE CA (Dermal)	1600 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
D-Limonene (5989-27-5)	
IARC group	3 - Not classifiable
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity
Benzyl acetate (140-11-4)	
IARC group	3 - Not classifiable
7-Hydroxycitronellal (107-75-5)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)

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Geraniol (106-24-1)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)
Reproductive toxicity	: Not classified.
Benzyl salicylate (118-58-1)	
NOAEL (animal/male, F0/P)	540 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 (One-Generation Reproduction Toxicity Study)
NOAEL (animal/female, F0/P)	180 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 (One-Generation Reproduction Toxicity Study)
D-Limonene (5989-27-5)	
NOAEL (animal/female, F0/P)	600 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:
Cyclododecane, (ethoxymethoxy)- (58567-11-6)	
NOAEL (animal/male, F0/P)	50 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:
NOAEL (animal/female, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:
STOT-single exposure	: Not classified.
7-Octen-2-ol, 2,6-dimethyl- (18479-58-8)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified.
Benzyl salicylate (118-58-1)	
NOAEL (oral, rat, 90 days)	177 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Phenethyl alcohol (60-12-8)	
NOAEL (dermal, rat/rabbit, 90 days)	510 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
7-Hydroxycitronellal (107-75-5)	
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (subchronic, oral, animal/male, 90 days)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Geraniol (106-24-1)	
NOAEL (dermal, rat/rabbit, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:OECD Guideline 421 (Reproduction/Developmental Toxicity Screening test), Guideline: other:EPA OPPTS 870.3550 (Reproduction/Developmental Toxicity Screening Test)
2-Propen-1-ol, 3-phenyl- (104-54-1)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.

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Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Benzyl salicylate (118-58-1)	
LC50 - Fish [1]	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
EC50 - Crustacea [1]	1.16 mg/l Test organisms (species): Daphnia magna
7-Octen-2-ol, 2,6-dimethyl- (18479-58-8)	
LC50 - Fish [1]	27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	38 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	9.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Phenethyl alcohol (60-12-8)	
LC50 - Fish [1]	215 – 464 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	287.17 mg/l (Exposure time: 48 h - Species: Daphnia magna)
4-tert-Butylcyclohexyl acetate (32210-23-4)	
LC50 - Fish [1]	8.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static] Source: ECHA)
EC50 - Crustacea [1]	5.3 mg/l Test organisms (species): Daphnia magna
Heptanal, 2-(phenylmethylene)- (122-40-7)	
LC50 - Fish [1]	0.91 mg/l Test organisms (species): not specified
EC50 - Crustacea [1]	0.28 mg/l Test organisms (species): Daphnia sp.
NOEC (chronic)	0.041 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
D-Limonene (5989-27-5)	
LC50 - Fish [1]	720 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.36 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'
Benzyl acetate (140-11-4)	
LC50 - Fish [1]	4 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	17 mg/l Test organisms (species): Daphnia magna
NOEC chronic fish	0.92 mg/l Test organisms (species): Oryzias latipes Duration: '28 d'

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7-Hydroxycitronellal (107-75-5)	
LC50 - Fish [1]	31.6 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	410 mg/l Test organisms (species): Daphnia magna
3-Octanol, 3,7-dimethyl- (78-69-3)	
LC50 - Fish [1]	8.9 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
Geraniol (106-24-1)	
LC50 - Fish [1]	≈ 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	10.8 mg/l Test organisms (species): Daphnia magna
Cyclododecane, (ethoxymethoxy)- (58567-11-6)	
LC50 - Fish [1]	1.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	1.6 mg/l Test organisms (species): Daphnia magna
2-Propen-1-ol, 3-phenyl- (104-54-1)	
LC50 - Fish [1]	9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	7.7 mg/l Test organisms (species): Daphnia magna
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)	
LC50 - Fish [1]	20.3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
EC50 - Crustacea [1]	32.4 mg/l Test organisms (species): Daphnia magna
Allyl 3-cyclohexylpropionate (2705-87-5)	
LC50 - Fish [1]	0.13 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	3.8 mg/l Test organisms (species): Daphnia magna
12.2. Persistence and degradability	
Flight Fresh Deodorant Disc (Green Apple)	
Persistence and degradability	Not established.
Benzyl salicylate (118-58-1)	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
Flight Fresh Deodorant Disc (Green Apple)	
Bioaccumulative potential	Not established.
Benzyl salicylate (118-58-1)	
Partition coefficient n-octanol/water	4
Bioaccumulative potential	Not established.
7-Octen-2-ol, 2,6-dimethyl- (18479-58-8)	
Partition coefficient n-octanol/water	3.25 (at 40 °C (at pH 7)
Phenethyl alcohol (60-12-8)	
Partition coefficient n-octanol/water	1.36 (at 20 °C (at pH 7)

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4-tert-Butylcyclohexyl acetate (32210-23-4)	
Partition coefficient n-octanol/water	4.8 (at 25 °C)
Heptanal, 2-(phenylmethylene)- (122-40-7)	
Partition coefficient n-octanol/water	2.498 (at 25 °C (at pH 6.2)
D-Limonene (5989-27-5)	
Partition coefficient n-octanol/water	4.38 (at 37 °C (at pH 7.2)
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water	1.96 (at 25 °C (at pH 7)
7-Hydroxycitronellal (107-75-5)	
Partition coefficient n-octanol/water	1.68 (at 25 °C)
3-Octanol, 3,7-dimethyl- (78-69-3)	
Partition coefficient n-octanol/water	3.3 (at 20 °C)
Geraniol (106-24-1)	
Partition coefficient n-octanol/water	2.6 (at 25 °C)
Cyclododecane, (ethoxymethoxy)- (58567-11-6)	
BCF - Fish [1]	(530 dimensionless (whole body w.w.)
Partition coefficient n-octanol/water	5.4 (at 25 °C)
2-Propen-1-ol, 3-phenyl- (104-54-1)	
Partition coefficient n-octanol/water	1.636 (at 27 °C (at pH 3.52)
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)	
Partition coefficient n-octanol/water	2.76 (at 30 °C (at pH 6.5)
Allyl 3-cyclohexylpropionate (2705-87-5)	
Partition coefficient n-octanol/water	4.28 (at 20 °C (at pH 5.3)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

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14.1. UN number

UN-No. (DOT)	: Not applicable
UN-No. (TDG)	: UN3077
UN-No. (IMDG)	: UN3077
UN-No. (IATA)	: UN3077

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-tert-Butylcyclohexyl acetate and D-Limonene)
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-tert-Butylcyclohexyl acetate and D-Limonene)
Proper Shipping Name (IATA)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-tert-Butylcyclohexyl acetate and D-Limonene)

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: Not applicable
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TDG

Transport hazard class(es) (TDG)	: 9
Hazard labels (TDG)	: 9



IMDG

Transport hazard class(es) (IMDG)	: 9
	: 9



IATA

Transport hazard class(es) (IATA)	: 9
	: 9



14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III

14.5. Environmental hazards

Other information	: No supplementary information available.
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14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1 Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) and the Hazardous Products Regulations (HPR) as amended

Revision date : 09/25/2024
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



Full text of hazard classes and H-statements	
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

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