

KIMCARE® MICROMIST® Fresh Linen

Version 1.11 Revision Date: 09.10.2021 SDS Number: 100000008068 Date of last issue: 25.08.2020
Date of first issue: 26.09.2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KIMCARE® MICROMIST® Fresh Linen
Product code : 6890

Manufacturer or supplier's details

Company : Kimberly-Clark Australia Pty. Limited
Address : Level 4, 100 Arthur Street, North Sydney
Sydney, NSW
2060
Australia
Telephone : +61 1800-647-994
Emergency telephone : 131126
number
Poison Center Name : Australia Poison Information Centre
Poison Center Telephone : 131126

Recommended use of the chemical and restrictions on use

Recommended use : Air Freshener

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable aerosols : Category 1
Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2A
Skin sensitisation : Category 1
Long-term (chronic) aquatic hazard : Category 2

GHS label elements

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Hazard pictograms

:



Signal word

: Danger

Hazard statements

:

- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

:

- P102 Keep out of reach of children.
- P103 Read carefully and follow all instructions.

Prevention:

- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P280 Wear protective gloves.

Response:

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.
- P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

Storage:

- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

- Dispose of contents/container in accordance with local regulation.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Chemical nature

: Mixture

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Components

Chemical name	CAS-No.	Concentration (% w/w)
Isobutane	75-28-5	>= 30 -< 60
Ethanol	64-17-5	>= 10 -< 30
Hexylene Glycol	107-41-5	< 10
Dihydromyrcenol	18479-58-8	< 10
acetyl cedrene	32388-55-9	>= 1 -< 10
Butylphenyl methylpropional	80-54-6	>= 1 -< 10
Amyl Salicylate	2050-08-0	< 10
citronellol	106-22-9	< 1
Linalool	78-70-6	< 1
hexyl salicylate	6259-76-3	< 1
benzyl salicylate	118-58-1	< 1
Isocyclemone E	54464-57-2	< 1
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6	< 1
2-methylundecanal	110-41-8	< 1
Citral	5392-40-5	< 1
3-p-cumenyl-2-methylpropionaldehyde	103-95-7	< 1
geranyl acetate	105-87-3	< 1

SECTION 4. FIRST AID MEASURES

- General advice : Never give anything by mouth to an unconscious person.
If you feel unwell, seek medical advice (show the label where possible).
- If inhaled : Move to fresh air in case of accidental inhalation of vapours.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash contaminated clothing before reuse.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If easy to do, remove contact lens, if worn.
- If swallowed : Rinse mouth.
Do NOT induce vomiting.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Water spray
Sand

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		Dry powder Carbon dioxide (CO ₂)
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	No hazards to be specially mentioned. No special precautions required.
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Not required under normal use.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Smoking, eating and drinking should be prohibited in the application area. Keep away from fire, sparks and heated surfaces. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not ingest. For personal protection see section 8.
Hygiene measures	:	General industrial hygiene practice.
Conditions for safe storage	:	Keep containers tightly closed in a cool, well-ventilated place. Pressurized container: protect from sunlight and do not

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expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Isobutane	75-28-5	STEL	1,000 ppm	ACGIH
Ethanol	64-17-5	TWA	1,000 ppm 1,880 mg/m ³	AU OEL
		STEL	1,000 ppm	ACGIH
Hexylene Glycol	107-41-5	Peak limit	25 ppm 121 mg/m ³	AU OEL
		C	25 ppm	ACGIH
Citral	5392-40-5	TWA (Inhalable fraction and vapor)	5 ppm	ACGIH

Engineering measures : none

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Particulates type

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Not required under normal use.

Skin and body protection : Not required under normal use.

Protective measures : When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

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Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	Not applicable
	:	Not applicable
	:	Not applicable
Flash point	:	Not applicable
Evaporation rate	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	0.7
Density	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Flow time	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
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Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	None known.
Conditions to avoid	:	Extremes of temperature and direct sunlight. Heat, flames and sparks.
Incompatible materials	:	Incompatible with strong acids and bases. Oxidizing agents
Hazardous decomposition products	:	Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	:	Inhalation
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Acute toxicity
Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
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Components:
Isobutane:

Acute inhalation toxicity	:	LC50 (Rat): 658 mg/l Exposure time: 4 h
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Ethanol:

Acute oral toxicity	:	LD50 (Rat, male and female): 10,470 mg/kg Method: OECD Test Guideline 401 GLP: no
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LD50 Oral (Rat): 7,060 mg/kg

Acute inhalation toxicity	:	LC50 (Rat, male and female): 124.7 mg/l Method: OECD Test Guideline 403 GLP: no
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Hexylene Glycol:

Acute oral toxicity	:	LD50 Oral (Rat): 3,700 mg/kg
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Acute inhalation toxicity	:	LC50 (Rat): > 310 mg/m ³ Exposure time: 1 h
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Acute dermal toxicity	:	LD50 Dermal (Rabbit): 12,300 mg/kg
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Dihydromyrcenol:

Acute oral toxicity	:	LD50 Oral (Rat): 3,600 mg/kg
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Acute dermal toxicity : LD50 Dermal (Rabbit): > 5 g/kg
Remarks: no deaths occurred

acetyl cedrene:

Acute oral toxicity : LD50 Oral (Rat, male and female): 4,500 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

Amyl Salicylate:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

LD50 Oral (Rat): 4,100 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg
Remarks: no deaths occurred

hexyl salicylate:

Acute oral toxicity : LD50 Oral (Rat): > 5 g/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg
Method: Acute toxicity estimate
GLP: No information available.

benzyl salicylate:

Acute oral toxicity : LD50 Oral (Rat): 2,227 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg
Remarks: no deaths occurred

2-methylundecanal:

Acute oral toxicity : LD50 Oral (Rat): > 5 g/kg
Remarks: no deaths occurred

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 8,280 mg/kg
Method: No information available.
GLP: no

3-p-cumenyl-2-methylpropionaldehyde:

Acute oral toxicity : LD50 Oral (Rat): 3,810 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 5,000 mg/kg
Method: Fixed Dose Method
GLP: yes

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geranyl acetate:

Acute oral toxicity : LD50 Oral (Rat): 6,330 mg/kg
Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,460 mg/kg
Method: No information available.
GLP: no

Skin corrosion/irritation**Product:**

Remarks : No data available

Components:**Ethanol:**

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Hexylene Glycol:

Species : Rabbit
Result : Skin irritation

Dihydromyrcenol:

Species : Rabbit
Result : Irritating to skin.

acetyl cedrene:

Method : OECD Test Guideline 439
Result : No skin irritation
GLP : yes

hexyl salicylate:

Species : Rabbit
Method : No information available.
Result : irritating
GLP : yes

benzyl salicylate:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Isocyclemone E:

Assessment : Irritating to skin.

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2,4-dimethylcyclohex-3-ene-1-carbaldehyde:

Assessment : Irritating to skin.

2-methylundecanal:

Species : Rabbit
Exposure time : 24 h
Method : No information available.
Result : irritating
GLP : no

Citral:

Assessment : Irritating to skin.

3-p-cumenyl-2-methylpropionaldehyde:

Species : Rabbit
Method : No information available.
Result : Skin irritation
GLP : yes

geranyl acetate:

Species : Rabbit
Exposure time : 24 h
Method : Draize Test
Result : Severe skin irritation
GLP : no

Serious eye damage/eye irritation**Product:**

Remarks : May irritate eyes.

Components:**Ethanol:**

Species : Rabbit
Result : Irritation to eyes, reversing within 21 days
Method : OECD Test Guideline 405
GLP : no

Hexylene Glycol:

Species : Rabbit
Result : Mild eye irritation

Dihydromyrcenol:

Species : Rabbit
Result : Moderate eye irritation

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acetyl cedrene:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405
GLP : no

hexyl salicylate:

Species : Rabbit
Result : No eye irritation
Method : Directive 67/548/EEC, Annex V, B.5.
GLP : yes

benzyl salicylate:

Result : Eye irritation

2,4-dimethylcyclohex-3-ene-1-carbaldehyde:

Assessment : Irritating to eyes.

2-methylundecanal:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405
GLP : yes

Citral:

Result : Eye irritation

3-p-cumenyl-2-methylpropionaldehyde:

Species : Rabbit
Result : No eye irritation
Method : No information available.
GLP : yes

geranyl acetate:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405
GLP : yes

Respiratory or skin sensitisation**Product:**

Remarks : May cause sensitisation of susceptible persons by skin contact.

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Components:**Ethanol:**

Species : Mouse
Assessment : Does not cause skin sensitisation.
Method : OECD Test Guideline 429
Result : Did not cause sensitisation on laboratory animals.
GLP : no

Hexylene Glycol:

Species : Guinea pig
Assessment : Does not cause skin sensitisation.
Result : Did not cause sensitisation on laboratory animals.

Dihydromyrcenol:

Species : Mouse
Assessment : Does not cause skin sensitisation.
Result : Did not cause sensitisation on laboratory animals.

acetyl cedrene:

Species : Mouse
Method : OECD Test Guideline 429
Result : The product is a skin sensitiser, sub-category 1B.
GLP : yes

citronellol:

Assessment : The product is a skin sensitiser, sub-category 1B.
Result : The product is a skin sensitiser, sub-category 1B.

hexyl salicylate:

Species : Mouse
Method : OECD Test Guideline 429
Result : Causes sensitisation.
GLP : yes

benzyl salicylate:

Species : Mouse
Method : OECD Test Guideline 429
Result : The product is a skin sensitiser, sub-category 1B.
GLP : yes

Isocyclemone E:

Assessment : The product is a skin sensitiser, sub-category 1B.

2,4-dimethylcyclohex-3-ene-1-carbaldehyde:

Assessment : The product is a skin sensitiser, sub-category 1B.

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2-methylundecanal:

Species : Mouse
Assessment : The product is a skin sensitiser, sub-category 1B.
Method : OECD Test Guideline 429
Result : The product is a skin sensitiser, sub-category 1B.
GLP : yes

Citral:

Result : The product is a skin sensitiser, sub-category 1B.

3-p-cumenyl-2-methylpropionaldehyde:

Species : Mouse
Method : OECD Test Guideline 429
Result : The product is a skin sensitiser, sub-category 1B.

geranyl acetate:

Species : Mouse
Method : OECD Test Guideline 429
Result : Did not cause sensitisation on laboratory animals.
GLP : yes

Chronic toxicity**Germ cell mutagenicity****Product:**

Germ cell mutagenicity - Assessment : No information available.

Components:**Isobutane:**

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity**Product:**

Carcinogenicity - Assessment : No information available.

Components:**Isobutane:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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Reproductive toxicity
Product:

Reproductive toxicity - Assessment : No information available.

STOT - single exposure
Product:

Remarks : No data available

STOT - repeated exposure
Product:

Remarks : No data available

Aspiration toxicity
Product:

No data available

SECTION 12. ECOLOGICAL INFORMATION
Ecotoxicity
Components:
Isobutane:

Toxicity to fish : LC50: 27.98 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50: 14.22 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50: 7.71 mg/l
Exposure time: 96 h

Ethanol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
Exposure time: 96 h
Test Type: static test

LC50 (Pimephales promelas (fathead minnow)): 13,400 - 15,100 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 5,012 mg/l
Exposure time: 48 h
Test Type: static test

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LC50 (Daphnia magna (Water flea)): 9,268 - 14,221 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 275 mg/l
Exposure time: 72 h
Test Type: static test

Hexylene Glycol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,500 - 11,000 mg/l
Exposure time: 96 h
Test Type: flow-through test

LC50 (Lepomis macrochirus (Bluegill sunfish)): 10,000 mg/l
Exposure time: 96 h
Test Type: static test

LC50 (Pimephales promelas (fathead minnow)): 8,690 mg/l
Exposure time: 96 h
Test Type: flow-through test

LC50 (Pimephales promelas (fathead minnow)): 10,700 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,700 - 3,700 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50: > 429 mg/l
Exposure time: 72 h

Dihydromyrcenol:

Toxicity to fish : LC50: 27.8 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50: 38 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50: 80 mg/l
Exposure time: 72 h

acetyl cedrene:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.3 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.86 mg/l
Exposure time: 48 h

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Test Type: static test
 Method: OECD Test Guideline 202
 GLP: yes

Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 2.8 mg/l
 Exposure time: 96 h
 Test Type: static test
 Method: OECD Test Guideline 201
 GLP: yes

Amyl Salicylate:
Ecotoxicology Assessment

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

hexyl salicylate:

Toxicity to fish : LC50 (*Danio rerio* (zebra fish)): 1.34 mg/l
 Exposure time: 96 h
 Test Type: semi-static test
 Method: Directive 67/548/EEC, Annex V, C.1.
 GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0.357 mg/l
 Exposure time: 48 h
 Test Type: semi-static test
 Method: OECD Test Guideline 202
 GLP: yes

Toxicity to algae/aquatic plants : EC50 (*Desmodesmus subspicatus* (green algae)): 0.61 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201
 GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.14 mg/l
 Exposure time: 48 h

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

benzyl salicylate:

Toxicity to fish : LC50 (*Danio rerio*): 1.03 mg/l
 Exposure time: 96 h
 Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 1.16 mg/l
 Exposure time: 48 h
 Test Type: static test
 Method: OECD Test Guideline 202

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GLP: yes

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 1.29 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201
 GLP: yes

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Isocyclemone E:
Ecotoxicology Assessment

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

2,4-dimethylcyclohex-3-ene-1-carbaldehyde:
Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

2-methylundecanal:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.35 mg/l
 Exposure time: 96 h
 Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.21 mg/l
 Exposure time: 48 h
 Test Type: semi-static test
 Method: OECD Test Guideline 202
 GLP: yes

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.11 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201
 GLP: yes

3-p-cumenyl-2-methylpropionaldehyde:

Toxicity to fish : LC50 (Fish): 1.092 mg/l
 Exposure time: 96 h
 Method: No information available.
 GLP: No information available.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.4 mg/l
 Exposure time: 48 h
 Test Type: semi-static test
 Method: OECD Test Guideline 202
 GLP: yes

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Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 4.3 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201
 GLP: yes

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

geranyl acetate:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 68.12 mg/l
 Exposure time: 96 h
 Test Type: static test
 Method: DIN 38412
 GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 14.1 mg/l
 Exposure time: 48 h
 Test Type: static test
 Method: OECD Test Guideline 202
 GLP: yes

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 3.72 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201
 GLP: yes

Persistence and degradability
Components:
Isobutane:

Biodegradability : Result: Readily biodegradable.

Ethanol:

Biodegradability : aerobic
 Inoculum: activated sludge
 Biodegradation: 97 %
 Exposure time: 28 d
 Remarks: Readily biodegradable, according to appropriate OECD test.

Dihydromyrcenol:

Biodegradability : Result: Readily biodegradable.

Butylphenyl methylpropional:

Biodegradability : aerobic
 Concentration: 100 mg/l

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Biodegradation: 8 %
Exposure time: 28 d

citronellol:

Biodegradability : Result: Readily biodegradable.

Linalool:

Biodegradability : Result: Readily biodegradable.

Citral:

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential
Components:
Isobutane:

Partition coefficient: n-octanol/water : log Pow: 1.09

Ethanol:

Bioaccumulation : Bioconcentration factor (BCF): 0.66
Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Hexylene Glycol:

Partition coefficient: n-octanol/water : log Pow: < -0.14

Dihydromyrcenol:

Partition coefficient: n-octanol/water : log Pow: 3.25

acetyl cedrene:

Partition coefficient: n-octanol/water : log Pow: 5.6 - 5.9

Amyl Salicylate:

Partition coefficient: n-octanol/water : log Pow: 4.57

citronellol:

Partition coefficient: n-octanol/water : log Pow: 3.55 (25 °C)

hexyl salicylate:

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Partition coefficient: n-octanol/water : log Pow: 5.5

benzyl salicylate:

Partition coefficient: n-octanol/water : log Pow: 4

2-methylundecanal:

Partition coefficient: n-octanol/water : log Pow: 4.9

3-p-cumenyl-2-methylpropionaldehyde:

Partition coefficient: n-octanol/water : log Pow: 3.4

geranyl acetate:

Partition coefficient: n-octanol/water : log Pow: 4.48

Mobility in soil
Components:
Ethanol:

Stability in soil : Remarks: Not expected to adsorb on soil.

Other adverse effects
Components:
Ethanol:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

Contaminated packaging : Dispose of as unused product.

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SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

UN number : AEROSOLS
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1

IATA-DGR

UN/ID No. : UN 1950
Proper shipping name : Aerosols, flammable
Class : 2.1
Packing group : Not assigned by regulation

IMDG-Code

UN number : UN 1950
Proper shipping name : AEROSOLS

Class : 2.1
Packing group : Not assigned by regulation
EmS Code : F-D, S-U
Marine pollutant : no

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

Not applicable for product as supplied.

National Regulations**ADG**

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Standard for the Uniform : Schedule 6
Scheduling of Medicines and
Poisons

Prohibition/Licensing Requirements : There is no applicable prohibition or

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notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

The components of this product are reported in the following inventories:

TCSI	:	Not in compliance with the inventory
AIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. ABIES SIBIRICA OIL p-menthan-3-one 3,7-dimethyloctan-3-yl acetate
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory

SECTION 16. OTHER INFORMATION

Revision Date	:	09.10.2021
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
AU OEL	:	Australia. Workplace Exposure Standards for Airborne Contaminants.

ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
ACGIH / C	:	Ceiling limit
AU OEL / TWA	:	Exposure standard - time weighted average
AU OEL / Peak limit	:	Exposure standard - peak

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for

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Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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