

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : SensaMist Magnolia Whisper 32oz
CAS-No. : MIXTURE
Product code : SM-32-Magnolia
Product group : Formula

1.2. Recommended use and restrictions on use

1.3. Supplier

Vectair Systems Ltd
Unit 3, Trident Centre, Armstrong Road, Basingstoke, Hampshire, RG24 8NU,
UK Product Development
prod-dev@vectairsystems.com
+44 (0) 1256 319500 (Office Hours 09:00 to 17:00)

1.4. Emergency telephone number

Emergency number : INFOTRAC (US & Canada) 1-800-535-5053 | (International) 1-352-323-3500

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Skin sensitization, Category 1 H317 May cause an allergic skin reaction

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Warning

Hazard statements (GHS CA) : H317 - May cause an allergic skin reaction

Precautionary statements (GHS CA) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - 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

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	(CAS-No.) 54464-57-2	5 – 10	Skin Irrit. 2, H315 Skin Sens. 1B, H317
ETHYL VANILLIN	3-ethoxy-4-hydroxybenzaldehyde / 4-hydroxy-3-ethoxy benzaldehyde / benzaldehyde, 3-ethoxy-4-hydroxy- / bourbonal / burbonal / ethavan / ethovan / ethyl protocatechuic aldehyde / ethylprotal / ethylvanillin / FEMA No 2464 / protocatechualdehyde ethyl ether / protocatechuic aldehyde ethyl ether / protocatechvaldehyde ethyl ether / quantrovanil / vanaldol / vanillal / vanillin, ethyl- / vanirom / vanirome	(CAS-No.) 121-32-4	1 – 5	Eye Irrit. 2, H319
POLYSANTOL		(CAS-No.) 107898-54-4	1 – 5	Skin Irrit. 2, H315
PHENOXANOL		(CAS-No.) 55066-48-3	1 – 5	Acute Tox. 4 (Oral), H302
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol / 2-buten-1-ol, 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)- / 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol / 2-ethyl-4-(2,2,3-trimethylcyclopent-3-en-yl)-but-2-en-1-ol / 2-ethyl-4-(2',2',3-trimethylcyclopent-3'-enyl)but-2-enol / Bacdanol / Balinol / Bangalol / Chandanol / Dartanol / Finanol / Levosanol / Radjanol / Sandacanol / Sandolen / Sandranol / SanfalFleur / Sanjinol	(CAS-No.) 28219-61-6	1 – 5	Eye Irrit. 2, H319
BENZYL BENZOATE	BENZYL BENZOATE benylate / benzoate / benzoic acid, benzyl ester / benzoic acid, phenylmethyl ester / benzyl alcohol, benzoic ester / benzyl benzenecarboxylate / benzyl benzoate / benzyl benzoate USP 600040 / benzyl phenylformate / benzylets / FEMA number 2138	(CAS-No.) 120-51-4	1 – 5	Acute Tox. 4 (Oral), H302
ETHYL LINALOOL	1,6-nonadien-3-ol, 3,7-dimethyl- / 3,7-dimethyl-1,6-nonadien-3-ol (cis & trans) / 3,7-dimethylnona-1,6-dien-3-ol / ethyl linalool	(CAS-No.) 10339-55-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
LINALYL ACETATE	1,5-dimethyl-1-vinyl-4-hexenyl acetate / 1,6-octadien-3-ol, 3,7-dimethyl-, acetate / 3,7-dimethyl-1,6-octadien-3-ol acetate / 3,7-dimethyl-1,6-octadien-3-yl acetate / acetic acid linalool ester / bergamiol / bergamol / bergamot mint oil / ex bois de rose (synthetic) / FEMA No. 2636 / licareol acetate / linalol acetate / linalool acetate / linalyl acetate / linalyl acetate synthetic	(CAS-No.) 115-95-7	< 0.5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.
- First-aid measures general : If you feel unwell, seek medical advice.

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

- Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : None under normal conditions.
- Symptoms/effects after ingestion : None under normal conditions.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CITRAL (5392-40-5)		
USA - ACGIH	ACGIH OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
USA - ACGIH	Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
USA - ACGIH	Regulatory reference	ACGIH 2024
Manitoba	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
Manitoba	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Manitoba	Regulatory reference	ACGIH 2024
New Brunswick	OEL TWA	5 ppm
New Brunswick	Notations and remarks	Body weight eff; URT irr; eye dam; Skin; DSEN; A4
Newfoundland & Labrador	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

CITRAL (5392-40-5)		
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH 2024
Nova Scotia	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
Nova Scotia	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH 2024
Ontario	OEL TWAEV	5 ppm (IFV - Inhalable fraction and vapour)
Ontario	Notations and remarks	Skin
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
Prince Edward Island	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH 2024
Myrcene (123-35-3)		
British Columbia	Notations and remarks	IARC group 2B carcinogen
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
ALPHA PINENE (80-56-8)		
Saskatchewan	OEL STEL	30 ppm
Saskatchewan	OEL TWA	20 ppm
Saskatchewan	Notations and remarks	SEN
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
BENZYL ACETATE (140-11-4)		
USA - ACGIH	ACGIH OEL TWA	10 ppm
USA - ACGIH	Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
USA - ACGIH	Regulatory reference	ACGIH 2024
Alberta	OEL TWA	61 mg/m ³
Alberta	OEL TWA	10 ppm
Alberta	Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Alberta	Regulatory reference	Alberta Regulation 191/2021
British Columbia	OEL TWA	10 ppm
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA	10 ppm
Manitoba	Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Manitoba	Regulatory reference	ACGIH 2024
New Brunswick	OEL TWA	10 ppm
New Brunswick	Notations and remarks	URT irr
Newfoundland & Labrador	OEL TWA	10 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH 2024
Nova Scotia	OEL TWA	10 ppm
Nova Scotia	Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH 2024

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

BENZYL ACETATE (140-11-4)		
Nunavut	OEL STEL	20 ppm
Nunavut	OEL TWA	10 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Northwest Territories	OEL STEL	20 ppm
Northwest Territories	OEL TWA	10 ppm
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWAEV	10 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	10 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH 2024
Saskatchewan	OEL STEL	20 ppm
Saskatchewan	OEL TWA	10 ppm
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
2-PHENOXYETHANOL (122-99-6)		
Ontario	OEL TWAEV	141 mg/m ³
Ontario	OEL TWAEV	25 ppm
Ontario	Notations and remarks	Skin
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
ETHYL ALCOHOL (64-17-5)		
USA - ACGIH	ACGIH OEL STEL	1000 ppm
USA - ACGIH	Remark (ACGIH)	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
USA - ACGIH	Regulatory reference	ACGIH 2024
USA - OSHA	OSHA PEL TWA	1900 mg/m ³
USA - OSHA	OSHA PEL TWA	1000 ppm
USA - OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
British Columbia	OEL STEL	1000 ppm
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL STEL	1000 ppm
Manitoba	Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Manitoba	Regulatory reference	ACGIH 2024
New Brunswick	OEL STEL	1000 ppm
New Brunswick	Notations and remarks	URT irr
Newfoundland & Labrador	OEL STEL	1000 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Newfoundland & Labrador	Regulatory reference	ACGIH 2024
Nova Scotia	OEL STEL	1000 ppm
Nova Scotia	Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Nova Scotia	Regulatory reference	ACGIH 2024
Nunavut	OEL STEL	1250 ppm
Nunavut	OEL TWA	1000 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

ETHYL ALCOHOL (64-17-5)		
Northwest Territories	OEL STEL	1250 ppm
Northwest Territories	OEL TWA	1000 ppm
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWAEV	1000 ppm
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL	1000 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Prince Edward Island	Regulatory reference	ACGIH 2024
Saskatchewan	OEL STEL	1250 ppm
Saskatchewan	OEL TWA	1000 ppm
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
CITRAL (5392-40-5)		
USA - ACGIH	ACGIH OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
USA - ACGIH	Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
USA - ACGIH	Regulatory reference	ACGIH 2024
Manitoba	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
Manitoba	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Manitoba	Regulatory reference	ACGIH 2024
New Brunswick	OEL TWA	5 ppm
New Brunswick	Notations and remarks	Body weight eff; URT irr; eye dam; Skin; DSEN; A4
Newfoundland & Labrador	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH 2024
Nova Scotia	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
Nova Scotia	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH 2024
Ontario	OEL TWAEV	5 ppm (IFV - Inhalable fraction and vapour)
Ontario	Notations and remarks	Skin
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
Prince Edward Island	Notations and remarks	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH 2024
beta-Pinene (127-91-3)		
Saskatchewan	OEL STEL	30 ppm
Saskatchewan	OEL TWA	20 ppm
Saskatchewan	Notations and remarks	SEN
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
 Environmental exposure controls : Avoid release to the environment.

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: Mixture contains one or more component(s) which have the following colour(s): Colourless to light yellow Colourless White Colourless to light amber White to off-white
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Lemon odour Mild odour Pleasant odour Floral odour Almost odourless Alcohol odour Pine odour Fruity odour Sweet odour Characteristic odour Peppermint odour Aromatic odour Strong odour
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Not applicable
Vapor pressure	: No data available
Vapor pressure at 50°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosion limits	: No data available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

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 BENZOATE (120-51-4)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 oral	1160 mg/kg body weight
LD50 dermal rabbit	> 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)
ATE CA (oral)	1500 mg/kg body weight
ATE CA (Dermal)	4000 mg/kg body weight

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, 2 week(s), Rat, Male/female, Experimental value, Oral)
LD50 dermal rat	> 5 ml/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)

ETHYL LINALOOL (10339-55-6)	
LD50 oral	5000 mg/kg body weight
ATE CA (oral)	5000 mg/kg body weight

ETHYL VANILLIN (121-32-4)	
LD50 oral rat	> 3160 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	3000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE CA (oral)	3000 mg/kg body weight

PHENOXANOL (55066-48-3)	
LD50 oral	1850 mg/kg body weight
LD50 dermal	3100 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	1830 mg/l/4h
ATE CA (oral)	1850 mg/kg body weight
ATE CA (Dermal)	3100 mg/kg body weight
ATE CA (dust,mist)	1830 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

: Not classified

STOT-repeated exposure

Aspiration hazard : Not classified

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : None under normal conditions.

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

LINALYL ACETATE (115-95-7)	
LC50 - Fish [1]	11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)
EC50 - Crustacea [1]	15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)
EC50 72h - Algae [1]	16 mg/l (OECD 201: Alga, Growth Inhibition Test, Scenedesmus subspicatus)
Partition coefficient n-octanol/water (Log Pow)	3.93 (Experimental value)

BENZYL BENZOATE (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	0.475 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
BCF - Fish [1]	2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)	
LC50 - Fish [1]	1.1 mg/l (US EPA, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, GLP)
ErC50 algae	2.5 mg/l (US EPA, 96 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)
BCF - Other aquatic organisms [1]	667 (Other, QSAR)
Partition coefficient n-octanol/water (Log Pow)	4.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 35 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.57 (log Koc, Other, QSAR)

ETHYL VANILLIN (121-32-4)	
LC50 - Fish [1]	87.6 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)
ErC50 algae	120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
Partition coefficient n-octanol/water (Log Pow)	1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)

12.2. Persistence and degradability

LINALYL ACETATE (115-95-7)	
Persistence and degradability	Readily biodegradable in water.

BENZYL BENZOATE (120-51-4)	
Persistence and degradability	Readily biodegradable in water.

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)	
Persistence and degradability	Not readily biodegradable in water.
ThOD	3 g O ₂ /g substance

ETHYL LINALOOL (10339-55-6)	
Persistence and degradability	Biodegradability in water: no data available.

ETHYL VANILLIN (121-32-4)	
Persistence and degradability	Readily biodegradable in water.
ThOD	1.81 g O ₂ /g substance
BOD (% of ThOD)	0.529 (5 day(s), Literature study)

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

12.3. Bioaccumulative potential

LINALYL ACETATE (115-95-7)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	3.93 (Experimental value)
BENZYL BENZOATE (120-51-4)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
BCF - Fish [1]	2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)	
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
BCF - Other aquatic organisms [1]	667 (Other, QSAR)
Partition coefficient n-octanol/water (Log Pow)	4.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 35 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.57 (log Koc, Other, QSAR)
ETHYL LINALOOL (10339-55-6)	
Bioaccumulative potential	No bioaccumulation data available.
ETHYL VANILLIN (121-32-4)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)

12.4. Mobility in soil

LINALYL ACETATE (115-95-7)	
Ecology - soil	Adsorbs into the soil.
Partition coefficient n-octanol/water (Log Pow)	3.93 (Experimental value)
BENZYL BENZOATE (120-51-4)	
Surface tension	0.027 N/m (210 °C)
Ecology - soil	Low potential for mobility in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)
ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)	
Ecology - soil	Low potential for adsorption in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.57 (log Koc, Other, QSAR)
Partition coefficient n-octanol/water (Log Pow)	4.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 35 °C)
ETHYL VANILLIN (121-32-4)	
Ecology - soil	Low potential for mobility in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

UN-No. (TDG)	: UN3082
Packing group (TDG)	: III - Minor Danger
TDG Primary Hazard Classes	: 9 - Class 9 - Miscellaneous Products, Substances or Organisms
Transport document description (TDG)	: UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone), 9, III
Proper Shipping Name (TDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone
Hazard labels (TDG)	: 9 - Miscellaneous Products, Substances or Organisms



TDG Special Provisions	: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. 99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. may be offered for transport, handled or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means of containment and during transport. (2) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety.
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Explosive Limit and Limited Quantity Index	: 5 L
Excepted quantities (TDG)	: E1

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	: 3082
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone), 9, III, MARINE POLLUTANT

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Class (IMDG) : 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG) : III - substances presenting low danger

IATA

UN-No. (IATA) : 3082
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.
Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (1,3,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta-gamma-2-benzopyran ; 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone), 9, III
Class (IATA) : 9 - Miscellaneous Dangerous Substances and Articles
Packing group (IATA) : III - Low danger

SECTION 15: Regulatory information

15.1. National regulations

LINALYL ACETATE (115-95-7)

Listed on the Canadian DSL (Domestic Substances List)

BENZYL BENZOATE (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)

Listed on the Canadian DSL (Domestic Substances List)

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)

Listed on the Canadian DSL (Domestic Substances List)

ETHYL LINALOOL (10339-55-6)

Listed on the Canadian DSL (Domestic Substances List)

ETHYL VANILLIN (121-32-4)

Listed on the Canadian DSL (Domestic Substances List)

PHENOXANOL (55066-48-3)

Listed on the Canadian DSL (Domestic Substances List)

POLYSANTOL (107898-54-4)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

LINALYL ACETATE (115-95-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

BENZYL BENZOATE (120-51-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

SensaMist Magnolia Whisper 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

ETHYL LINALOOL (10339-55-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

ETHYL VANILLIN (121-32-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

PHENOXANOL (55066-48-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

POLYSANTOL (107898-54-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

SECTION 16: Other information

Issue date : 08/01/2024

Full text of H-phrases:

H227	Combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

SDS Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.