

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
 Product name : SensaMist Balsam Fir 32oz
 CAS-No. : MIXTURE
 Product code : SM-32 BALSAM FIR
 Product group : Formula

1.2. Recommended use and restrictions on use

1.3. Supplier

Vectair Systems Inc.
 2095 Spicer Cove, Covington Way Distribution Centre, Memphis, TN 38134, USA

Vectair Systems Inc +1 901 373 7818 (during normal office hours)
 Product Development: info@vectairsystems.com

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)

| | | |
|-----------------------------------|------|-------------------------------------|
| Flammable liquids Category 4 | H227 | Combustible liquid |
| 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) :

H227 - Combustible liquid
 H317 - May cause an allergic skin reaction

Precautionary statements (GHS CA) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 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.
 P370+P378 - In case of fire: Use media other than water to extinguish.
 P403 - Store in a well-ventilated place.
 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

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|------------------|---|----------------------|--------|--|
| DIETHYL MALONATE | carboxy acetic ester / dicarboxymethane / diethyl malonate / diethylpropanedioate / ethylmalonate / malonic acid diethyl ester / malonic ester / methane dicarboxylic acid diethyl ester / propanedioic acid diethyl ester / propanedioic acid, diethyl ester | (CAS-No.) 105-53-3 | 5 – 10 | Flam. Liq. 4, H227 Eye Irrit. 2, H319 |
| ALPHA PINENE | 2,6,6-trimethylbicyclo-(3,1,1)-2-heptene / 2,6,6-trimethylbicyclo(3.1.1)-2-hept-2-ene / 2,6,6-trimethylbicyclo(3.1.1)-2-heptene / 2,6,6-trimethylbicyclo(3.1.1)hept-2-ene / 2,6,6-trimethyldicyclo(3.1.1)-2-heptene / 2-pinene / acintene A / alpha-pinene (FCC) / australene / bicyclo(3.1.1)hept-2-ene, 2,6,6-trimethyl- / FEMA No 2902 / pin-2(3)-ene / pinen alpha / pinene (=alpha-pinene) / pinene, pract. (=alpha-pinene) | (CAS-No.) 80-56-8 | 5 – 10 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 |
| beta-Pinene | beta-Pinene 2(10)-pinene / 6,6-dimethyl-2-methylenebicyclo(3.1.1)heptane / beta-pinene / beta-pinene(FCC) / bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- / FEMA No 2903 / nopinen / nopinene / PC 600 / pin-2(10)-ene / pseudopinene / pseudopinene / pseudopinene / pseudopinene / terebenthene(=beta-pinene) | (CAS-No.) 127-91-3 | 1 – 5 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 |
| DELTA-3-CARENE | | (CAS-No.) 13466-78-9 | < 0.5 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| delta-3-Carene | | (CAS-No.) 13466-78-9 | < 0.5 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| LIMONENE | LIMONENE (+)-1-methyl-4-isopropenyl-1-cyclohexene / (+)-4-isopropenyl-1-methylcyclohexene / (+)-cajeputene / (+)-carvene / (+)-citrene / (+)-para-mentha-1,8-diene / (+)-p-mentha-1,8-diene / (+)-R-limonene / (R)-(+)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-(+)-limonene / (R)-1-methyl-4-(1-methylethenyl)cyclohexene / (R)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-p-mentha-1,8-diene / 1,8-menthadiene, D- / 1-methyl-4-(1-methylethenyl)cyclohexene, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (theta)- / cyclohexene, 4-isopropenyl-1-methyl- / D-(+)-limonene / dextro-limonene / dextro-para-mentha-1,8-diene / d-limonene / D-para-mentha-1,8-diene / D-p-mentha-1,8-diene / limonene, (R)-(+)- / limonene, D-(+)- / limonene, dextro- / para-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, D- / refchole | (CAS-No.) 5989-27-5 | < 0.5 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |

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

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

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. |
|-----------------------------------|--------------------------|

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 | : Combustible liquid. |
| 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. Notify authorities if product enters sewers or public waters. |
| 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. |
| 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 | : Store in a well-ventilated place. Keep cool. |
| Packaging materials | : Store always product in container of same material as original container. |

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| 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) |
| 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 |
| 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 |
| 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 |
| 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-22-2) | | |
| USA - ACGIH | ACGIH OEL TWA | 2 ppm |
| USA - ACGIH | ACGIH OEL STEL | 3 ppm |
| USA - ACGIH | Remark (ACGIH) | TLV® Basis: Eye & URT irr; anosmia. Notations: A4 (Not classifiable as a Human Carcinogen) |
| USA - ACGIH | Regulatory reference | ACGIH 2024 |

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-22-2) | | |
|--|--------------------------------|---|
| USA - OSHA | OSHA PEL TWA | 2 mg/m ³ |
| USA - OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| Alberta | OEL STEL | 19 mg/m ³ |
| Alberta | OEL STEL | 3 ppm |
| Alberta | OEL TWA | 12 mg/m ³ |
| Alberta | OEL TWA | 2 ppm |
| Alberta | Regulatory reference | Alberta Regulation 191/2021 |
| Manitoba | OEL STEL | 3 ppm |
| Manitoba | OEL TWA | 2 ppm |
| Manitoba | Notations and remarks | TLV® Basis: Eye & URT irr; anosmia. Notations: A4 (Not classifiable as a Human Carcinogen) |
| Manitoba | Regulatory reference | ACGIH 2024 |
| New Brunswick | OEL STEL | 3 ppm |
| New Brunswick | OEL TWA | 2 ppm |
| New Brunswick | Notations and remarks | Eye & URT irr; anosmia |
| Newfoundland & Labrador | OEL STEL | 3 ppm |
| Newfoundland & Labrador | OEL TWA | 2 ppm |
| Newfoundland & Labrador | Notations and remarks | TLV® Basis: Eye & URT irr; anosmia. Notations: A4 (Not classifiable as a Human Carcinogen) |
| Newfoundland & Labrador | Regulatory reference | ACGIH 2024 |
| Nova Scotia | OEL STEL | 3 ppm |
| Nova Scotia | OEL TWA | 2 ppm |
| Nova Scotia | Notations and remarks | TLV® Basis: Eye & URT irr; anosmia. Notations: A4 (Not classifiable as a Human Carcinogen) |
| Nova Scotia | Regulatory reference | ACGIH 2024 |
| Nunavut | OEL STEL | 3 ppm |
| Nunavut | OEL TWA | 2 ppm |
| Nunavut | Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |
| Northwest Territories | OEL STEL | 3 ppm |
| Northwest Territories | OEL TWA | 2 ppm |
| Northwest Territories | Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-013-2020) |
| Ontario | OEL TWAEV | 3 ppm |
| Ontario | OEL TWAEV | 2 ppm |
| Ontario | Regulatory reference | Ontario Occupational Exposure Limits under Regulation 833 |
| Prince Edward Island | OEL STEL | 3 ppm |
| Prince Edward Island | OEL TWA | 2 ppm |
| Prince Edward Island | Notations and remarks | TLV® Basis: Eye & URT irr; anosmia. Notations: A4 (Not classifiable as a Human Carcinogen) |
| Prince Edward Island | Regulatory reference | ACGIH 2024 |
| DELTA-3-CARENE (13466-78-9) | | |
| USA - ACGIH | ACGIH OEL TWA | 20 ppm |
| USA - ACGIH | Remark (ACGIH) | TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen) |
| USA - ACGIH | Regulatory reference | ACGIH 2024 |
| Alberta | OEL TWA | 111 mg/m ³ |
| Alberta | OEL TWA | 20 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 | 20 ppm |

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| DELTA-3-CARENE (13466-78-9) | | |
|-----------------------------|-----------------------|--|
| British Columbia | Notations and remarks | S(D) (dermal sensitization) |
| British Columbia | Regulatory reference | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| New Brunswick | OEL TWA | 20 ppm |
| Nunavut | OEL STEL | 30 ppm |
| Nunavut | OEL TWA | 20 ppm |
| Nunavut | Notations and remarks | SEN |
| Nunavut | Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |
| Northwest Territories | OEL STEL | 30 ppm |
| Northwest Territories | OEL TWA | 20 ppm |
| Northwest Territories | Notations and remarks | SEN |
| Northwest Territories | Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-013-2020) |
| 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 |

| DIPROPYLENE GLYCOL METHYLETHER ACETATE (88917-22-0) | | |
|---|----------------------|---|
| Ontario | OEL TWAEV | 1164 mg/m ³ |
| Ontario | OEL TWAEV | 150 ppm |
| Ontario | OEL TWAEV | 776 mg/m ³ |
| Ontario | OEL TWAEV | 100 ppm |
| Ontario | Regulatory reference | Ontario Occupational Exposure Limits under Regulation 833 |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| | |
|---|---|
| Color | : Mixture contains one or more component(s) which have the following colour(s): Colourless to light yellow Colourless White Colourless to 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: Pleasant odour Floral odour Lemon odour Mild odour Almost odourless Alcohol odour Sweet odour Characteristic odour Peppermint odour Pine odour Camphor odour Fruity 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 | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : ≈ 62.9 °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

| | |
|---------------------|---|
| Conditions to avoid | : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. None under recommended storage and handling conditions (see section 7). |
|---------------------|---|

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 |

| D-LIMONENE (5989-27-5) | |
|------------------------------------|---|
| LD50 oral rat | > 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral) |
| LD50 dermal rabbit | > 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal) |
| ALPHA PINENE (80-56-8) | |
| LD50 oral rat | 3700 mg/kg (Rat, Male, Weight of evidence, Oral) |
| LD50 oral | 500 mg/kg body weight |
| LD50 dermal rabbit | > 5000 mg/kg (24 h, Rabbit, Weight of evidence, Dermal) |
| ATE CA (oral) | 500 mg/kg body weight |
| BETA PINENE (127-91-3) | |
| LD50 oral rat | 4700 mg/kg (Rat, Oral) |
| ATE CA (oral) | 4700 mg/kg body weight |
| DELTA-3-CARENE (13466-78-9) | |
| LD50 oral | 4800 mg/kg body weight |
| LC50 Inhalation - Rat (Dust/Mist) | 1.5 mg/l/4h |
| ATE CA (oral) | 4800 mg/kg body weight |
| ATE CA (Gases) | 4500 ppmV/4h |
| ATE CA (vapors) | 11 mg/l/4h |
| ATE CA (dust,mist) | 1.5 mg/l/4h |

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| DIETHYL MALONATE (105-53-3) | |
|---|---|
| LD50 oral rat | 15794 mg/kg (Rat, Oral) |
| LD50 dermal rabbit | > 16960 mg/kg (Rabbit, Dermal) |
| ATE CA (oral) | 15794 mg/kg body weight |
| delta-3-Carene (13466-78-9) | |
| LD50 oral | 4800 mg/kg body weight |
| LC50 Inhalation - Rat (Dust/Mist) | 1.5 mg/l/4h |
| ATE CA (oral) | 4800 mg/kg body weight |
| ATE CA (Gases) | 4500 ppmV/4h |
| ATE CA (vapors) | 11 mg/l/4h |
| ATE CA (dust,mist) | 1.5 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. |
| 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 |
| D-LIMONENE (5989-27-5) | |
| LC50 - Fish [1] | 720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| EC50 72h - Algae [1] | 150 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP) |
| BCF - Fish [1] | 864.8 – 1022 (Pisces, QSAR, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C) |
| ALPHA PINENE (80-56-8) | |
| BCF - Fish [1] | 718 (Pimephales promelas, QSAR) |
| Partition coefficient n-octanol/water (Log Pow) | 4.487 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| BETA PINENE (127-91-3) | |
| LC50 - Fish [1] | 0.557 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Semi-static system, Fresh water, Weight of evidence, GLP) |
| EC50 - Crustacea [1] | 1.248 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Weight of evidence, GLP) |

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| BETA PINENE (127-91-3) | |
|--|---|
| ErC50 algae | 0.826 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Weight of evidence, GLP) |
| BCF - Other aquatic organisms [1] | 1125 (BCFBAF v3.00, Fresh water, QSAR, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | 4.425 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.01 – 3.82 (log Koc, Calculated value) |

| DIETHYL MALONATE (105-53-3) | |
|---|---|
| LC50 - Fish [1] | 11.8 mg/l (96 h, Pimephales promelas) |
| EC50 - Crustacea [1] | 202.3 mg/l (48 h, Daphnia magna, Static system) |
| EC50 72h - Algae [1] | 508.2 mg/l (Scenedesmus subspicatus) |
| Partition coefficient n-octanol/water (Log Pow) | 0.96 |

12.2. Persistence and degradability

| D-LIMONENE (5989-27-5) | |
|-------------------------------|------------------------------------|
| Persistence and degradability | Readily biodegradable in water. |
| ThOD | 3.29 g O ₂ /g substance |

| ALPHA PINENE (80-56-8) | |
|-------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

| BETA PINENE (127-91-3) | |
|-------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

| DIETHYL MALONATE (105-53-3) | |
|------------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

| D-LIMONENE (5989-27-5) | |
|---|--|
| Bioaccumulative potential | Potential for bioaccumulation ($4 \geq \text{Log Kow} \leq 5$). |
| BCF - Fish [1] | 864.8 – 1022 (Pisces, QSAR, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C) |

| ALPHA PINENE (80-56-8) | |
|---|--|
| Bioaccumulative potential | Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$). |
| BCF - Fish [1] | 718 (Pimephales promelas, QSAR) |
| Partition coefficient n-octanol/water (Log Pow) | 4.487 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |

| BETA PINENE (127-91-3) | |
|--|--|
| Bioaccumulative potential | Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$). |
| BCF - Other aquatic organisms [1] | 1125 (BCFBAF v3.00, Fresh water, QSAR, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | 4.425 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.01 – 3.82 (log Koc, Calculated value) |

| DIETHYL MALONATE (105-53-3) | |
|---|---|
| Bioaccumulative potential | Low potential for bioaccumulation ($\text{Log Kow} < 4$). |
| Partition coefficient n-octanol/water (Log Pow) | 0.96 |

12.4. Mobility in soil

| D-LIMONENE (5989-27-5) | |
|---|--|
| Ecology - soil | Adsorbs into the soil. |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C) |

| ALPHA PINENE (80-56-8) | |
|---|--|
| Ecology - soil | Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. |
| Partition coefficient n-octanol/water (Log Pow) | 4.487 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |

| BETA PINENE (127-91-3) | |
|--|---|
| Ecology - soil | Low potential for mobility in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.01 – 3.82 (log Koc, Calculated value) |

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| | |
|---|--|
| BETA PINENE (127-91-3) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.425 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| DIETHYL MALONATE (105-53-3) | |
| Ecology - soil | May be harmful to plant growth, blooming and fruit formation. |
| Partition coefficient n-octanol/water (Log Pow) | 0.96 |

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.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

| | |
|---|--|
| D-LIMONENE (5989-27-5) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| ALPHA PINENE (80-56-8) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| BETA PINENE (127-91-3) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| DELTA-3-CARENE (13466-78-9) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| DIETHYL MALONATE (105-53-3) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| delta-3-Carene (13466-78-9) | |
| Listed on the Canadian DSL (Domestic Substances List) | |

15.2. International regulations

SensaMist Balsam Fir 32oz

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

D-LIMONENE (5989-27-5)

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)

ALPHA PINENE (80-56-8)

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)

BETA PINENE (127-91-3)

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)

DELTA-3-CARENE (13466-78-9)

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 on KECL/KECI (Korean Existing Chemicals Inventory)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

DIETHYL MALONATE (105-53-3)

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 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)

delta-3-Carene (13466-78-9)

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)

SECTION 16: Other information

Issue date : 09/20/2024

Full text of H-phrases:

| | |
|------|--|
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |

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.