

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: Frasier Fir

Version:

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: Frasier Fir

Other identifiers:

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: ARTISANAT BUB INC
Company address: 10141 Ave de London
Montreal-Nord
H1H4H4, QC
CANADA
Contact: Customer Support
E-Mail address: info@pinovillage.com
Company phone: 450-499-6882

1.4 Emergency telephone number

Emergency phone: 450-499-6882

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Class and category of danger: Flammable Liquid, Hazard Category 4
Skin Corrosion / Irritation Category 3
Eye Damage / Irritation Category 2
Sensitization - Skin Category 1
Hazardous to the Aquatic Environment - Acute Hazard Category 2
Hazardous to the Aquatic Environment - Long-term Hazard Category 2
H227, Combustible liquid.
H316, Causes mild skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Warning

Hazard statements: H227, Combustible liquid.
H316, Causes mild skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.

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H411, Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking. P261, Avoid breathing vapour or dust. P264, Wash hands and other contacted skin thoroughly after handling. P272, Contaminated work clothing should not be allowed out of the workplace. P273, Avoid release to the environment. P280, Wear protective gloves/eye protection/face protection. P302/352, IF ON SKIN: Wash with plenty of soap and water. P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333/313, If skin irritation or rash occurs: Get medical advice/attention. P337/313, If eye irritation persists: Get medical advice/attention. P363, Wash contaminated clothing before reuse. P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction. P391, Collect spillage. P403/235, Store in a well-ventilated place. Keep cool. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	%	GHS Classification
Isobornyl acetate	125-12-2	20-<50%	Flam. Liq. 4-Aquatic Acute 2;H227-H401
Diethyl malonate	105-53-3	5-<10%	Flam. Liq. 4-Eye Irrit. 2A-Aquatic Acute 3;H227-H319-H402
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran	1222-05-5	1-<5%	Aquatic Acute 1-Aquatic Chronic 1;H410
Cedrol	77-53-2	1-<5%	Flam. Liq. 4-Aquatic Acute 2-Aquatic Chronic 2;H227-H411
alpha-Pinene	80-56-8	1-<5%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H302-H304-H315-H317-H410

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laevo-Bornyl acetate	5655-61-8	1-<5%	Aquatic Acute 2;H401
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	68039-49-6	1-<5%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H227-H303-H315-H317-H319-H411
alpha-Cedrene	469-61-4	1-<5%	Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H304-H410
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	1-<5%	Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 2-Aquatic Chronic 2;H315-H319-H411
Ethyl maltol	4940-11-8	1-<5%	Acute Tox. 4-Aquatic Acute 2;H302-H401
Camphene	79-92-5	1-<5%	Flam. Sol. 2-Eye Irrit. 2B-Aquatic Acute 1-Aquatic Chronic 1;H228-H320-H410
4-(p-Hydroxyphenyl)-2-butanone	5471-51-2	1-<5%	Aquatic Acute 3;H402
delta-3-Carene	13466-78-9	0.1-<1%	Flam. Liq. 3-Acute Tox. 5-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1-Aquatic Acute 2-Aquatic Chronic 2;H226-H303-H304-H315-H317-H332-H411
d-Limonene	5989-27-5	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315-H317-H400-H412
beta-Caryophyllene	87-44-5	0.1-<1%	Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 4;H304-H317-H413
beta-Pinene	127-91-3	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410
l-Borneol	464-45-9	0.1-<1%	Flam. Sol. 1-Skin Irrit. 2-Aquatic Acute 2;H228-H315-H401
Terpinolene	586-62-9	0.1-<1%	Flam. Liq. 3-Flam. Liq. 4-Acute Tox. 5-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H227-H303-H304-H317-H410
l-Limonene	5989-54-8	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315-H317-H400-H412
beta-Cedrene	546-28-1	0.1-<1%	Aquatic Acute 1-Aquatic Chronic 1;H410
Camphor	76-22-2	0.1-<1%	Flam. Sol. 2-Acute Tox. 4-Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1-STOT SE 2-Aquatic Acute 2-Aquatic Chronic 2;H228-H302-H315-H318-H332-H371-H411
Borneol	507-70-0	0.1-<1%	Flam. Sol. 1-Skin Irrit. 2-Eye Dam. 1-Aquatic Acute 2-Aquatic Chronic 2;H228-H315-H318-H411

Substances with workplace exposure limits, not listed above:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin exposure: IF ON SKIN: Wash with plenty of soap and water.

Ingestion: Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes mild skin irritation.

May cause an allergic skin reaction.

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Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

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Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Free flowing liquid without sediment
Odour:	Characteristic
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	79 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	0.9410 - 0.9510
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not expected
Oxidising properties:	Not expected

9.2 Other information:

Refractive Index @ 20C:	1.4570 - 1.4670
Flash Point (Fahrenheit):	174 °F

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Calculated VOC: 0.00

Color Range: 1 Very Pale Yellow - 3 Very Pale Yellow

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

Acute Toxicity: Based on available data the classification criteria are not met.

Acute Toxicity Oral >5000

Acute Toxicity Dermal Not Applicable

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation: Skin Corrosion / Irritation Category 3

Serious eye damage/irritation: Eye Damage / Irritation Category 2

Respiratory or skin sensitisation: Sensitization - Skin Category 1

Germ cell mutagenicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

STOT-single exposure: Based on available data the classification criteria are not met.

STOT-repeated exposure: Based on available data the classification criteria are not met.

Aspiration hazard: Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

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Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	68039-49-6	3900	Not available	Not available	Not available
Ethyl maltol	4940-11-8	1200	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4. Packing Group:
UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Cedrene, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)	9	-	III
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Cedrene, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Cedrene, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)	9	-	III

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ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Cedrene, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)	9	-	III
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14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

14.6 Special precautions for user: None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

Section 15. Regulatory information

Essential Oil Components:

Name	CAS	%
CEDARWOOD OIL VIRGINIA	8000-27-9	5-<10%
FIR NEEDLE OIL SIBERIAN	8021-29-2	5-<10%
ORANGE OIL FLORIDA	8028-48-6	0.1-<1%

Components listed on California's SB312

Name	CAS	%
DIOCTYL ADIPATE (S) "DOA"	103-23-1	20-<50%

US Department Of Transport Bulk Packing III
Group:

Naturally-Occuring Materials on Prop65:

Name	CAS	%
Myrcene	123-35-3	

Section 16. Other information

Concentration % Limits: SCI 3=12.20% EDI 2A=71.59% SS 1=57.13% EH A2=9.72% EH A3=0.96869038% EH C2=11.21% EH C3=1.12% EH C4=91.48%

Total Fractional Values: SCI 3=8.20 EDI 2A=1.40 SS 1=1.75 EH A2=10.29 EH A3=103.23 EH C2=8.92 EH C3=89.23 EH C4=1.09

Key to revisions:

Concentration % Limits SECTION 3:

Composition/information on ingredients Total

Fractional Values

Key to abbreviations: Abbreviation

	Meaning
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Acute Tox. 4	Acute Toxicity - Oral Category 4 Acute Toxicity - Inhalation Category 4 Acute
Acute Tox. 4	Toxicity - Oral Category 5 Hazardous to the Aquatic Environment - Acute
Acute Tox. 5	Hazard Category 1 Hazardous to the Aquatic Environment - Acute Hazard
Aquatic Acute 1	Category 2 Hazardous to the Aquatic Environment - Acute Hazard Category
Aquatic Acute 2	3 Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Acute 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 4
Aquatic Chronic 3	Aspiration Hazard Category 1 Eye Damage / Irritation Category 1 Eye
Aquatic Chronic 4	Damage / Irritation Category 2A Eye Damage / Irritation Category 2B
Asp. Tox 1	Flammable Liquid, Hazard Category 3 Flammable Liquid, Hazard Category 4
Eye Dam. 1	Flammable Solid, Hazard Category 1 Flammable Solid, Hazard Category 2
Eye Irrit. 2A	Flammable liquid and vapour. Combustible liquid. Flammable solid. Harmful
Eye Irrit. 2B	if swallowed. May be harmful if swallowed. May be fatal if swallowed and
Flam. Liq. 3	enters airways. Causes skin irritation. May cause an allergic skin reaction.
Flam. Liq. 4	Causes serious eye damage. Causes serious eye irritation. Causes eye
Flam. Sol. 1	irritation. Harmful if inhaled. May cause damage to organs (organs, exposure
Flam. Sol. 2	route). Very toxic to aquatic life. Toxic to aquatic life. Harmful to aquatic life.
H226	Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with
H227	long lasting effects. Harmful to aquatic life with long lasting effects. May
H228	cause long lasting harmful effects to aquatic life. Keep away from heat,
H302	sparks, open flames and hot surfaces. - No smoking. Keep container tightly
H303	closed. Ground/bond container and receiving equipment. Use explosion-
H304	proof electrical, ventilating and lighting equipment.
H315	
H317	
H318	
H319	
H320	
H332	
H371	
H400	
H401	
H402	
H410	
H411	
H412	
H413	
P210	
P233	
P240	
P241	

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P242	P243	Use only non-sparking tools.
P260	P261	Take precautionary measures against static discharge.
P264	P270	Do not breathe vapour or dust.
P271	P272	Avoid breathing vapour or dust.
P273	P280	Wash hands and other contacted skin thoroughly after handling.
P301/310		Do not eat, drink or smoke when using this product.
P301/312		Use only outdoors or in a well-ventilated area.
P302/352		Contaminated work clothing should not be allowed out of the workplace.
P303/361/353		Avoid release to the environment.
P304/340		Wear protective gloves/eye protection/face protection.
P305/351/338		IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P309/311		IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P310	P312	IF ON SKIN: Wash with plenty of soap and water.
P330	P331	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P332/313		IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333/313		IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337/313		IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P362	P363	Immediately call a POISON CENTER or doctor/physician.
P370/378		Call a POISON CENTRE or doctor/physician if you feel unwell.
P391		Rinse mouth.
P403/235		Do not induce vomiting.
P405	P501	If skin irritation occurs: Get medical advice/attention.
STOT	SE 2	If skin irritation or rash occurs: Get medical advice/attention.
Skin Irrit.	2	If eye irritation persists: Get medical advice/attention.
Skin Sens.	1	Take off contaminated clothing and wash before reuse.
Skin Sens.	1B	Wash contaminated clothing before reuse.
		In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
		Collect spillage.
		Store in a well-ventilated place. Keep cool.
		Store locked up.
		Dispose of contents/container to approved disposal site, in accordance with local regulations.
		Specific Target Organ Toxicity (Single Exposure) Category 2
		Skin Corrosion / Irritation Category 2
		Sensitization - Skin Category 1
		Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.